Injector is hot.

s of Machinery,

R St., DETROIT.

ne located in moderately
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Lists, and address of
[Name this Paper.] Massillon, O.



JOHNSTONE & GIBBONS, Publishers.

DETROIT, TUESDAY OCTOBER 25, 1881.

PRICE, \$1.65 PER YEAR

VOLUME XII.

"PRACTICE WITH THEORY AND SCIENCE."

quicker. Still, after what has been said, I

am quite willing to put my plan to the test, and will accept Mr. Harris's sugges-

tion to try both ways, inasmuch as I recognize the force of practical lessons.
G. E. Harris—Why does seed come quicker on fall plowed land?
President McCann—Because the sun has

warmed it more, I suppose. We know oats do come quicker, as I have said, and

I may suppose that corn will.

W. A. Armstrong—Let me sugges

another reason for the earlier germination of seeds on fall plowed land. It is the finer

condition of the surface soil, especially in heavy land. Frost pulverizes lumps, or

of this supposed greater warmth. It is hardly reasonable to suppose that fall-

planting than before, and it can hardly be possible that any stored before, as the re-

sun three days, or a week, before planting.
N. Griffin—In my opinion, formed after

-a very great advantage-while late plow-

clods by its expansive power. It takes the smallest and the largest lumps and expands

fall plowing is always advantageous, for

State Fair Premium List.

NUMBER 43.

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Agricultural.

SUPERPHOSPHATES.

Result of the Special Premiums Offered by the Michigah Carbon Works through the State Agricultural Society.

In 1880 the Michigan Carbon Works of this city offered a series of special premiams under the auspices of the State Agricultural Society, amounting to \$200, for farmers who would make a test of the Homestead Superphosphate on their fall wheat. The test was to be made under the following rules: Four acres were to be measured out, and then divided into two equal parts. One of the plats was to be put into cultivation the same as the other, but no fertilizer was to be used. On the other plat Homestead Superphosphate was to be used at the rate of 200 lbs. to the acre. Both plats were then to be sown with wheat, care being taken to have them equally well cared for and the ground as nearly equal in every respect as possible. The wheat from the different plats were to be kept separate, weighed, and a sworn statement furnished of the amount of grain and straw raised on each. The premiums were to be awarded to those showing the greatest gain in favor of the phosphated plats over the non-phosphated. At the State Fair at Jackson, those who had entered for these premiums presented their statements. and the State Society appointed a committee to make the awards. Of those entering, only three fulfilled all the requiregive below the affldavit of Mr. J. D. Perry, of Redford, to whom was awarded the first premium. The others were precisely similar in form:

FORM OF AZERDANIT TO BE FILEED OUT ON ORD ONS COMPETING FOR THE SPECIAL PREMIUMS OFFERED BY THE MICHIGAN CARBON WEDES

offered by The Michigan Carreon weines
of Detroit, Mick.

I. James D. Perry, residing and cultivating a farm
in the town of Redford. County of Wayne, State of
Michigan and competing for the special premiums
offered by the Michigan Carbon Works, being duly
swom, deposes and says: that on the teath day of
September, 1880. J. carafully measured and surveyed
four adjoining acres on the farm of James D. Perry,
town of Redford. County of Wayne, State of Michigan, and that I divided the plat in two equal parts,
each part containing one 82-100 acres, and that the
whole three 64-160 acres was put into wheat, at the
rate of 1½ bushels per acre; that on one plat of
one 82-100 acres, 400 pounds of Homestead Superphosphate was deilled in at the same time as the
wheat with a fertilizer drill; that on the fifteenth
day of July 1881, the four acres were reaped, the
product of each plat being carefully kept by itself,
and that on the eleventh day of Angust 1881, the two
lots were threshed out, and that the two acres with
phosphate yielded: No, of bushels, 46%; weight
of grain, 2.775 lbs; weight of straw, 4,572 lbs; average
per acre, of grain 12 44-100 bushels, of straw 2,544 81-100 lbs. That the two acres without Phosphate yielded: No, of bushels, 24 47-100; weight of
grain, 2.775 lbs; weight of straw 3,100 lbs; average
per acre, of grain 13 44-100 bushels, of straw 1.708
9-100 lbs. Increase in favor of Homestead per acre.
No of bushels eleven and ainety-seven hundredths
(1.377) bushels; weight of straw 806 4-100; lweight of
grain, 1.488 D. PERRY.

Sebecribed and sworn to before me, this 30th day
of Acqust A. D. 1881.

Notary Public.

STATE OF MICHIGAN |
Se.

STATE OF MICHIGAN ! ss. COLUTY OF WAYNE,
We, James Appling and Fred Rhode, of the town
of Redford, County of Wayne, and State of Michegram, being duly sworn, depose and say that we are
personally, acquainted with and know the said

mes B. Perry, who has made the foregoing affidat and have sufficient knowlege of the facts there stated to say that they are substantially true.

JAMES APPLING.
FRED. RHODE. Subscribed and sworn to before me, this 30th day of August, A. D. 1881. ANSEL B. PIERCE. Notary Public, Wayne Co., Mich

The committee to examine and report upon the statements furnished were W. J. Baxter, Wm Chamberlain, and C. A. Harrison. Their report was as follows:

SPECIAL PREMIUM OFFERED BY MICHIGAN CARBON Special premium offered by the Michigan Carbon Works of Detroit for the purpose of eliciting trials of the difference in the yields of wheat on our Michigan lands, as compared to the land on which there has been no application of the superphos-phate.

Two acres of wheat with 400 pounds of phos-ates and two acres without, J D Perry, Redford, 1, \$75.

Jet, \$75.
Albert Case, Manchester, 2d, \$50.
G C Gibbs, Big Beaver, 3d, \$35.
The special committee appointed to examine the entries and proofs submitted for special premiums offered by the Michigan Carbon Works would respectfully report:

Spectfully report:
That there were 13 entries for these premiums. Of these but four presented any proofs, and of these the proofs in one case were voluntarily with drawn before your committee were appointed, leaving but three entries and proofs for examination.

From the fact that no evidence was submitted of red as to nature of soil, previous condition of land, cost of phosphates used, as compared other fertilizers; and from the further facting of specifics. with other fertilizers; and from the further fact that time of seeding, quantity of seed used, and method of sowing varied in each case, the result obtained is not as valuable for practical purposes as it would be under different conditions. Still, it will protably meet the and sought by the parties offering the premiums. To be of practical value to farmers, experiments should be continued on the same lands for at least three years, with proper rotation of crops, using on adjoining pieces of land for trial phosphates or any ordinary fertilizers as the other, with cost of each and compasison of results.

Your committee named awards as follows (all

Our committee named awards as follows (all

Product with phosphate fertilizer...... Product without phosphate fertilizer.. Gain by use of fertilizer

Bushel

.. 6 14 60

The point aimed at by the offer of these

It remains for the State Agricultural Society to carry out the test to its legitimate premiums for this purpose, carefully ar cost of the acid, per head of cattle, per ranged and carried out under the supervision of the Society, would prove of great interest to the farming community as well as of much substantial benefit.

OUR FRENCH LETTER.

The Steam Plow in France-Electricity as a Moter for Agricultural Machinerywe give the report in full: The Merino for Mutton-Horse Breeding-Salicylic Acid.

PARIS, Oct. 8, 1881 THE STEAM PLOW. With a view to develop the use of steam plows in France, a native manufacturer will lend that implement gratis, in order that intending purchasers may for the general purchase of farm magood.

A. H. Griffin—President McCann knows,
A. H. Griffin—President McCann knows, test its atility. The combination system, ELECTRICITY AS A MOTOR FOR AGRICUL

TURAL MACHINERY. At the electricity exhibition the plow, ordinarily worked by steam, has for motor electricity, which drags the machine in inverse directions, as do the loco-mobiles. In the case of the electric motive power it is not necessary to transport the generating machine on the grounds, the current can be sent along by wires, at a distance of one or two miles from the farm stead, where the generator can be turned by the stationary steam engine. It does seem that the only difficulty connected with the use of electricity is to be able to produce it on a large and cheap scale. In the case of extensive illumination electricity can be profitably employed, but not otherwise. up to the present. There is no doubt electricity, as a source of power and heat, as well as of light, will be made commercially cheap. For example, the power of the fluid is marvelous. In the electric exhibition the one current supplies the light and drives the several machines, while never displaying any diminution in power, despite the several and varied demands made upon its services.

THE MERINO FOR MUTTON. A warm discussion is going on between scientific and practical men as to the possibility of profitably rearing precocious Merinos for the butcher. The scientists assert the practice is remunerative, but heir opponents reply, offering an examination of their accounts, that since thirty years they have been occupied with the question, and have never found the precocious Merino a paying investment, save where the rams are reared and exported for breeding purposes. A flock then of Merinos, highly fed, and destined early for the butcher, does not pay in France at least. Scientific authorities are called upon to rebut these facts by counter

facts. HORSE BREEDING. France expends three-quarters of a million of francs annually in the purchase of native horses in Algeria for cavalry wants, besides awarding prizes to breeders and supporting studs. The horses of Algeria are not good looking, but they are serviceable and bear immense fatigue. The Arabs continue to prefer mule rearing to horse breeding. The mule is more easily reared, fetches a higher price, and often commences work at the age of 18 months. For the Arab the mare is his all; her foal, if of the same sex as the mother, is a joy, and is reared; if the contrary, a veritable calamity. Cattle rearing is more remunerative than horse breeding, and less liable

so deception.

SALICYLIC ACID.

Salicylic acid, after remaining for a long

Salicylic acid, after remaining fo to deception.

products determined by weight, 60 pounds to the time a laboratory curiosity, has developed ushel): st premium, \$75, to J D Perry, entry No 3, Red-ford, Wayne county, Michigan; sown with drill Sept. 10; 1½ bushels seed per acre. into a modern industry. The new product was accepted by some enthusiasts as the philosopher's stone. It was boasted that it cured every disease, no matter whether of long or short standing, like a patent medicine. Then came the inevitable reaction. The French government excommunicated it in the interest of the public health, while other countries that dispense with governmental tutelage had no complaints to record on sanitary grounds. In Germany the acid has been found by veterinary surgeons efficacious against several diseases. Horses with sore mouths were cured in five days by merely allowing them to bathe their lips in a weak solution, renewed thrice daily. In 1874, in Hungary, when the poultry epidemic broke out-eruption about the eyes, head, feet, etc.-a cure was effected by touching the affected parts with a brush dipped in premiums was to show that their use, at a solution; adding the acid to a tub in the price charged for them by the manu | which ducks and geese could bathe, and facturer, was profitable. This was shown mixing it with the sand or ashes wherein in all the cases examined, as the smallest fowls liked to roll. Of late, in Germany, difference in yield-6 14-60 bushels of salicylic acid has been successfully and wheat—would leave a fair profit over the generally employed, not as a remedial so cost of 200 lbs of superphosphate; while in much as a preventive agent. For horses, the case of Mr. Perry the showing in favor | bulls, cows, etc., these receive one thirtieth of the superphosphate is quite a handsome of an ounce daily, smaller stock in proportion. About three ounces of the acid are The suggestions of the Committee are dissolved in a bucket of warm water, and quite pertinent. The Carbon Works have the solution proportionally distributed. shown that their fertilizer is a valuable one. As an antiseptic the acid is excellent. An objection has been made that it lessens the reproductive powers of stock, but M. Ludconclusion. It would, we think, prove a loff, who has employed the acid daily valuable aid to the agriculture of the State | since five years, finds that 100 cows proto have the various manures and fertilizers duced 89 calves, while the average was 88 tested for a series of years for the purpose for the preceding five years. The generaof arriving at their true value. A series of tive functions are thus unaffected. The

FALL OR SPRING PLOWING.

week, is only one penny.

In the last issue of the Husbandman we find a report of a discussion by the Elmira Farmers' Club of the subject of fall or spring plowing for corn. As it is a subjec of general interest to farmers in this State

President McCann—I have a field, old sod no longer useful, that I want to plant to corn next season and would like to plow it this fall, unless some member can show me that it would be better to turn the sod me that it would be better to turn the sod next spring. I may explain the situation by saying that the grass roots have been eaten by worms so great patches of sod can be lifted off. That spoils the field for meadow. The soil is like most of our up-

chines, the subscribers employing the implements by a rotation determined by lot, sed in spring when the land is to be planted in the sed in spring when the land is to be planted getting the work advanced so that spring of 1863 J. H. Pickrell, the Shorthorn I can not say there is a good reason for it, but it seems to be preferred

by most farmers.
President McCann—If the work were to be done on my plain land, when the soil is gravelly, I should certainly defer it until spring, because no possible advantage could come of fall plowing for corn, and there might be injury to the crop.

J. W. Mathorn—When sod is infested with worms I prefer fall plowing because

the freezing that follows is likely to destroy the worms.

N. Grissin—Sod infested with wice worms. I think, should not be plowed in the fall if corn is to be planted. Worms feed on the grass roots, but when the roots are killed by plowing and subsequent freezing the worms manage to subsist

until the corn is ready for them, when they feed on that and destroy it. Better leave the sod until spring so that worms may have it after the planting. They will let the corn alone until it is big enough to resist their attacks.

W. A. Armstrong—That is my view if cut-worms are feared. My fields have never been troubled with wire-worms. All things considered I think there is no advantage in fall plowing for corn, when sod is the condition. Better turn the soil just before planting, lay the furrows at an angle of 45 degrees or thereabout, the direction down the slope, if there be any, drag the

plowed land thoroughly and plant at once.
J. W. Hathorn—When heavy soils in sod are plowed late in fall, with the furrows running down the descent, drainage is secured. Such land is apt to be wet. Now if the furrows are properly laid in fall, the heavy rains that follow, with the melting snows, make channels underneath the sod, and it is possible to go on such land a week or a fortnight earlier in spring with the drag, than if left without plowing. Besides, if the work is left until spring, more time is required to get ready for planting, so the work may be crowded back clear out of season. I have tried fall plowing and spring plowing for corn on heavy land, and I prefer getting the work

done in fall. done in fall.

G. W. Harris—A good way for President McCann is to try both in the field he has brought to our consideration.

W. A. Armstrong—That is good advice, doubtless, but, at the risk of seeming to dispute Mr. Hathorn's reasoning, I must say

that the practice of plowing sod in autumn for corn the next year is not good, even where land is heavy and too wet for ordinary crops. Such land is not suited to corn, but it approaches that condition most nearly when the sod is turned by straight furrows of even depth made im-mediately before planting. They secure the most satisfactory drainage just at the the most satisfactory drainage just at the time when the growing crop requires it. In the decay of the sod fermentation pro-duces warmth—the moist heat that corn needs. Wet land is not good for corn, but needs. Wet land is not good for corn, but the condition I have named modifies wetness and it may happen that over-moist land so managed will produce a full crop of corn, even where oats or barley following, with the sod wholly decayed, would not do well, because of too abundant moisture in a season precisely like that which hadproduced a full crop of corn.

President McCann—I think seed starts

prepared report of the Russian Minister of Agriculture, by which it is shown that the wheat crop is fully 20 per cent less than the estimate. In rye the falling off is from 25 to 30 per cent. All other crops report from 10 to 15 per cent. In hay the falling

of interest to many of our readers.

crops to harvest.

the remainder in spring, all seeded at the same time, and the plants appeared first on the fall-plowed portion. I have opinions not wholly in accord with those presented Mr. L. L. Brooks, of West Novi, has purchased the bull Duke of Lexington, a by the Secretary, although I agree with him in his plan of laying the furrows down the slope and setting them partly on edge. Now my plan will be; plow this fall, and Ky., and recently owned by Mr. James Moore, of Milford. His pedigree is as fol-Now my plan will be; plow this fail, and in spring harrow and cultivate two or three times and plant. No doubt the cost of cultivation will be greater than with spring plowing, but I think my plan will give a better crop from the land I shall use. Fall plowing, and spring cultivating, give a warmer seed bed, so the seed comes conclere. Still after what has been said I. lows:

DUKE OF LEXINGTON 35163; red with some white; calved August 1, 1879; bred by Wm. Smith, Lexington, Ill.
Sire-Imported Duke of Underedge 22964. Bred by Col. Kingscote, Gloucestershire, England. By Duke of Hillhurst, 9862 (28401), out of Georgiana by 2d Baron Westbury (19288). Duke of Hillhurst was by the 14th Duke of Thorndale 8031, and out of the Bates Duchess 97th by 3d Duke of Wharfdale (21619). bred by Col. Gunter; he by 2d Duke of Wharfdale (19649), by 7th Duke of York (17754), out of Duchess 73d by 6th Duke of Oxford; (12766).

(12756).

Dam—Lonan, of McLeau Park, by Fidalgo 14243, by 4th Duke of Geneva 7931, out of Fidessa by Duke of Gwynne 4730.

1g. dam—4th Lonan, of Glen Flora, by Plantagenet 6031, by Oxfordshire Lad 5056.

2g. dam—Louan of Prairieville, by Duke of Airdrie 2743, by imported Duke of Airdrie (12730), and tracing directly back to Bright Eyes by Alexandre by Favorite, and to the renowned Bolingbroke (86), of the English Herd Book.

Mr. R. L. GEDDES, of Ypsilanti, has placed at the head of his herd the bull or at least aids their reduction, so that harrowing brings them to a tilth in which seeds find the most favorable condition for germination. I believe that is all there is and a remarkably good animal individually.

and a remarkably good animal individually.

His pedigree is as follows:

GENERAL CUSTER THIRD 35567, red with some white marks, calved February 10, 1879; bred by Avery & Murphy, Detroit.

Sire—23d Duke of Airdrie 19393.

Dam—Fair Butterfly Princess 2d, by Oxford Beau 2d 15068.

1 g. dam—Imp. Fair Butterfly Princess, by 14th Duke of Oxford (21605).

2 g. dam—Butterfly Princess 10th, by Richard (16834).

3 g. dam—Butterfly Princess 6th, by Disraell'(10125).

4 g. dam—Butterfly Princess, by Wellington (7706).

6 g. dam—Butterfly Princess, by Wellington (7706).

6 g. dam—Butterfly Princess, by Wellington (7706).

8 g. dam—Butterfly, by Bellerophon (3119).

7 g. dam—Beauty, by Blucher (1725).

8 g. dam—Daity, by Butterwick (3251).

Mr. Geddes' herd was begun with the plowed land receives any more heat from the sun, or the atmosphere, than the same land, even the same raw surface, would receive in spring with the land plowed no more than two or with the land plowed no more than two or three days before planting. We plant corn rarely before the tenth of May. Let the plowing be done immediately before planting, allowing time of course for harrowing and fitting, get a seed bed of fine tilth and there will be no trouble in late sprouting, providing good seed is used. Warmth in the soil is of far more consequence after planting than before and it can hardly be

Mr. Geddes' herd was begun with the purchase of some females that once formed part of the herd of the late Edwin Smith. sult of fall plowing, can remain to give the soil superior fitness over that turned to the of Clinton, and he is grading it up by the use of the best bred bulls he can secure. General Custer Third should prove a valuable cross, and Mr. Geddes was lucky to get such a well bred animal.

long experience, uplands do not bring better crops by fall plowing. In one case I plowed part of a field in fall, the remainder in spring, and sowed barley, the part fall-plowed did not give as good a yield, and the fitting of that part in spring was much prore treptlesome and costly then on MR. A. W. ALGER, of Rankin, Genesee much more troublesome and costly than on the other portion. If I had one hundred acres of upland, and force enough to work Saginaw Fair-Dennis Brown, Bridge-

it, I would not plow a furrow in fall. Once of the best farmers I have ever known used to plow all his corn land in spring, and the furrows always ran north and south because as he said "the sun can get in to warm the rows."

A H. Griffe, Ferroges chould leave to boar, Mr. Bailhart, Mt. Morris, Berkshire boar and a number of small pigs.

warm the rows."

A. H. Griffin—Farmers should learn to
do their fall plowing earlier to get the full
benefit of it. I should prefer plowing in
August to very late fall plowing, as the boar, and a number of small pigs. Fenton Fair—J. H. Mead, Holly, one Mr. Alger says he received about \$100 in practice is. Early plowing destroys weeds premiums at the three fairs on his hogs.

He has some stock yet for sale. ing does not.
W. A. Armstrong—There are two adoperations may be relieved, and the other breeder of Harristown, Ill., while on a catis; improvement to the soil through the action of frost. Neither of these advantages tle-buying tour in Kentucky, bought for Mr. John G. Taylor, of Decatur, Ill., a would be found in very early fall plowing, word de round in very early an plowing, say for instance, early in September. If i were to direct the work with a view of obtaining the fullest and best results, I would have it done the day before winter freezing so that the land might be left as loose as yearling Louan heifer who before her death made a remarkable record. She was brought to the Taylor place near Decatur, and bred to Old Sweepstakes, an Abe possible, to aid frost in penetrating to the greatest depth. It will be understood by Renick Rose of Sharon bull, owned by Mr. Pickrell, making a cross of great value. any farmer who gives the subject even slight thought, that very early plowing must have its effect neutralized, to some The heifer proved to be an excellent breeder, and in the following eleven years Mr. extent, at least, by beating rains-that the Taylor sold \$11,000 worth of calves from loose earth, even without much rain, must her alone. The Sweepstakes bull was not settle to its former compact state and the lator be lost. When land is plowed just before it is to be locked by frost, it will be the sire of all her pregeny, her later calves being by Baron Booth, of Lancaster, an imported bull.

held loose until a general break—perhaps until spring. That is the condition to give the greatest advantage. Frost reduces THE third annual meeting of the American Clydesdale Association is to be held at the Grand Pacific Hotel, Chicago, on them, thus destroying cohesion so when frost leaves they fall into fragments or into finely pulverized soil. So reduced they are fit for use. Frost in this sense performs Thursday, November 10. The Secretary of the Association is Col. Chas. T. Mill, of Springfield, Ill.

the same work we seek to accomplish by plowing and harrowing. The more we can get of it the better, hence the wisdom of late plowing, for in the soil freshly loos-MESSRS, E. J. & E. W. HARDY, of Oceola Center, Mich., report the following sales ened it will penetrate deeper and do more work than in a compact soil. I do not say from their flock of registered Merinos To A. W. Baker, Highland, Oakland Co., 20 head registered ewes; to L. W. & O. the facts I have cited are not applicable in all cases. Land already too open certainly Barnes, of Byron, Shiawassee Co., 10 regiscan not be benefited mechanically by any agency sure to magnify the fault. Bu tered Merino ewes of their own breeding. The Messrs. Hardy still have a number of there are few farms of heavy clay, and a more solid subsoil, that will not feel the ameliorating influence of judicious fall fine young rams, of approved breeding, for sale on very reasonable terms.

An Inquiry About Fish Culture.

plowing, repeated from year to year, as oc-casion may require. The effect can be measured easily by comparisons that every farmer should make until he has intellifarmer should make until he has intelligent understanding of the true requirements. Let him plow part in fall and part in spring to determine where the advantage lies. He will soon see that fall plowing, properly performed, has the effect of lightening labor, or at least distributing it over the season in such manner as to lessen its cost and its hardships, and he will have greater breadth and very possibly better. To the Editor Michigan Farmer. DEAR SIR .- I have a lake on my farm

that contains four or five acres, surround ed by marsh; the water is from 15 to 25 feet deep; bottom muddy and miry. The fish in the lake are bass, pickerel, perch, sunfish, roach, bull-heads, etc. Will eel live in my lake? If so, where can they be got, and what time of the year shall I greater breadth, and very possibly better put them in? Please tell me in the next FARMER. Yours truly.

Eels would undoubtedly do well in your lake, but we do not know where you could The Premium List of the State Agriculobtain any to make a start with. Perhaps tural Society will be found on the second the Superintendent of State Fisheries, and third pages of this issue. It will prove James G. Portman of Muskegon, could give you full information concerning the THE United States commercial agent at

THE wheat crop never looked better at Dusseldorf has forwarded to the department of State, extracts from a carefully thick on the ground, with no bare patches, and of a dark green color that shows a vigorous growth. The only fear is that its growth is too rank, and may expose it to dangers later in the season. While we in number, of the recent London Dairy have had such abundant rains, New York and Pennsylvania have had but little, and Salt. The Higgin process has revolutionwheat in the former State is said to be ized the dairy salt business of Great Britain. looking very badly.

Michigan's Crop Report for October.

The Secretary of State has just issued his crop report for the month of October, bull bred by Wm. Smith, of Lexington, and we append a summary made up from the returns received by him:

'For this report returns have been received from 1,002 correspondents, representing 674 townships. Six hundred and twenty nine returns are from 386 town ships in the southern four tiers of counties. The returns were made between October 1 and 14.

"The estimates show that the acreage sown to wheat this fall is but little if any greater than in 1880; that the number of acres of potatoes raised was about the same, but that the yield per acre not over two thirds as much, and that the acreage of clover seed was about one-fifth greater. and the yield per acre one fourth greater. than in 1880. As there has probably been considerable wheat sowed since October 1. the estimate is doubtless too low, and later and bound it, using splints; put her in a reports are likely to change the estimates General Custer Third. He is well bred of the yield of clover seed and potatoes.

> county the average price of wheat during it advisable to let her exercise in an enclo-September, and the price October 1, and, sure out doors? Is arnica the best lini-September, and the price October 1, and, as compared with 1880, the condition of pastures during each of the months of long? Has our method been a practical August and September; the supply and one? She is gaining in flesh now, and lost condition of beef cattle and sheep; and the but little during her sickness. The vield of winter apples and peaches. The yield of winter apples and peaches. The averages for the State are as follows: Average price of wheat during September \$1 28; price October 1, \$1 34; condition of pastures during August, 65, during September, 73; supply of beef cattle, 84; condition, 87; supply of sheep, 98; condition, peaches, 25.

"In their 'special remarks' correspondents have noted the effect of the drouth up. County, reports the following sales of on the various products of the farm. It was Poland China swine, made at the fairs this originally intended to publish a summary of these remarks for each county, but they are so nearly alike for all parts of the State that it seems to be unnecessary. The drouth has been general throughout the has greatly injured the apple crop. Winfallen to the ground in large quantities.

the continued warm and wet weather."

Fair.

ciety at the Illinois State Fair:

"The Michigan Horticultural Society, are very arbitrary and should be modified. The Michigan people, nevertheless, carried the best collection of fruits by a Horticultural Society if they could have complied with the rules "

who started in to beat the cows at their own Under the circumstances your treatment business: "Four-fifths of all the companies in the United States formed for the manufacture of butterine have gone to the wall, making a total loss of almost \$2,000, 000 of capital, and those which have not failed have not made much show of prosthis season than at present. It is very perity. Where the toes of nearly every foot print point into a cave, prudence would suggest it as not a safe place to enter."

ALL the prize lots of butter, eighty-three Show, were salted with Higgin's Eureka -American Dairyman,

Peterinary Pepartment

Conducted by Prof. Robert Jennings, late of Philadelphia, Pa., author of "The Horse and its Diseases," "Cattle and their Diseases," "Sheep, Swine and Poultry" Horse Training Made Easy," etc. Professional advice through the columns of this journal to regular subscribers free, Parties desiring information will be required to send their full name and address to the office of the Farmer. No questions will be answered by mail unless accompanied by a fee of one dollar. In order that correct information may be given the symptoms should be accurately described, how long standing, together with color and age of animal, and what treatment, if any, has been resorted to. Private address, 201 First Street Detroit

Fracture of the Leg.

DIMONDALE, Mich., Oct. 18, 1881.

Veterinary Editor of the Michigan Farmer. DEAR SIR-I have a colt, one year old last spring, that broke its left foreleg about three inches below the knee joint. The leg was broken the 17th of August. On the splintered some. We at once set the leg swing, and applied during the hot weather cold water and arnica. We dressed it of the yield of clover seed and potatoes.

Correspondents will be asked to again report on December 1 the acreage of wheat sown, and the yield of corn, clover seed, and potatoes.

"The following table shows for each it seems to pain her to step on it. We dressed it water an armica. We dressed it was a fact and armica. We dressed it was a fact and armica. We dressed it was a fact armica and armica. We dressed it was a fact armica and armica. We dressed it was a fact armica and armica. We dressed it was a fact armica and armica. We dressed it was a fact armica and armica. We dressed it was a fact armica and armica. We dressed it was a fact armica and armica. We dressed it was a fact armica ar nd potatoes.

"The following table shows for each the splints on it yet. Do you think ment to strengthen her leg? Do you think it will be safe to remove the splints before The leg

Very respectfully, s. MAR1IN.

Answer. - Thirty years ago a horse meeting with such an accident was considered valueless, and was at once destroyed. When the animal is of little value such a 93; yield of winter apples, 40; yield of course would, perhaps, be the most profitable; but, when the animal is a valuable one, and the fracture is not a compound one, that is, when the end of the broken bone is not forced through the skin, or lacerates the soft parts surrounding it, the chances are two to one in favor of a successful termination of the case, if properly set and properly managed. To set a fractured leg properly requires good judgment State, though it seems to have been less and mechanical ingenuity, as proper applisevere in the northern than in the ances for such accidents in the inferior southern counties. It has materially re- animal are rarely at hand as they are in duced the yield of some of our leading human surgery, in addition to the difficrops, particularly corn and potatoes, and culty in handling an animal when suffering pain. The fracture in question was ter apples ripened prematurely, and have one easily managed; the splinting of the leg might have been better, and the slings "Pastures have been so effectually dried abandoned with much better results. To THE Chicago Tribune says that in the fall | up in some localities as to necessitate the | splint a fracture properly, after adjusting, the part should be wrapped smoothly "In consequence of the difficulty of with a linen or cotton cloth bandage, then turning over clover sod for fallow, and of apply three or four strips of stout leather the very general loss of the spring seeding as splints, keeping them in place by a sinto clover, the area summer fallowed was gle bandage. Then mix a little plaster of somewhat less than usual, and the acreage | Paris with sufficient water to make a thin of stubble ground seeded to wheat has paste; apply this to the bandage already been correspondingly increased. The rains on the leg, filling up the intermediate came between the 1st and 15th of Septem- spaces between the leather strips, and ber, just in time to enable farmers to put while soft apply another bandage; paste in their wheat in excellent condition. In this over with the plaster, and apply ansome instances it was sowed a little late, other bandage, and so continue until the but this is not to be regretted in view of leg is cemented in a solid immovable case. Then turn the animal loose, where he can run around, the chances by so doing are Michigan Fruit at the Illinois State ten to one more favorable than when slings are used. In the first instance the animal, The Prairie Farmer says of the show of like a dog, will take care of the injured fruits made by our State Horticultural So- leg, by hopping around upon three legs; by the second, the animal being placed in an unnatural and uncomfortable position. represented by F. M. Benham, of Olivet, makes him careless of the leg, hence Mich., exhibited seventy-five varieties of injury is often sustained which in apples, very finely grown but showing, by terferes with the healing process. their want of color and firmness, that they The animal with a fracture of the were grown too far north to compete in leg which cannot be successfully treated these particulars with our more southern | without slings cannot be so treated with fruits, but also showing that they could them; it looks all very well upon paper, beat us badly in their keeping qualities. but, practically, it is a failure. These The summer fruits shown by this society facts we have learned in an experience of were fine and beautiful colored. Of pears thirty-six years' practice. Of manageable this society exhibited thirty varieties—the | fractures, nine in ten will recover without fruit of medium grade-ten varieties of slings, while nine in ten will fail with peaches, and ten varieties of plums. Un. them. This assertion may be disputed by fortunately Mr. Benham had but little of the theorist, but cannot be proven false. his fruit listed in compliance with the In answer to your first inquiry we answer rules of the society, therefore could not yes; she will do the leg no harm. To compete for some of the premiums, especi- your second, no; arnica is only of benefit ally the one for the best display by a while acute inflammation exists. A frac-Horticultural Society. Some of these rules tured leg, properly splinted as above, should not be disturbed until the bone is firmly united, which requires some five or off several premiums, and should, by all six weeks. Liniments are not necessary means, have had the second premium on in such cases. To your third, if the fractured bone was properly adjusted it should be firmly united by this time, when the splint may be removed altogether. To your fourth, if the parts were properly set L. B. Arnold, in a recent article on and kept firm in place by your applicabutter making, has this to say of those tion, there can be no objection made.

Stifle Lameness.

was good.

WALDRON, Oct. 14th, 1881.

Veterinary Editor Michigan Farmer. I have a two year old colt, color, bay, she has strained her stifle joint in some way. A few days ago there was considerable inflammation in it. I bathed with cold water; the inflammation is gone, but she is quite lame.

Answer.-Apply a fly blister to the injured part, and turn her out.

Fifteen Poland China hogs brought Paul Collier, of Homer, the snug little sum of \$294.

2d do, Geo W Prescott, Grand Rapids, §2.

2d do, Geo W Prescott, Grand Rapids, \$2.
Best five summer squashes, Stephen Marx, De.
2d do. C M Hubbell, Ypsilanti, \$1.
Best five marrow squashes, C M Hubbell, Ypsilanti, \$2.
2d do H Smith, Grand Rapids, \$1.
Best five Hubbard squashes, E J Bentley, Monroe, \$2.
2d do, H C Clark, Ann Arbor, \$1.
Best single squash, Stephen Marx, Detroit, \$2.
2d do, C M Hubbell Ypsilanti, \$1.
Best single squash, Stephen Marx, Detroit, \$2.
2d do, C M Hubbell, Ypsilanti, \$2.
Best two sweet pumpkins, H C Clark, Ann Arbor, \$2.
2d do, Jas Mantle, Jackson, \$1.
Best three water melons, Geo W Prescott, Grand
Rapids, \$2.
2d do. H C Clark, Ann Arbor, \$1.
Best three water melons, James Mantle, Jackson,
\$2.
2d do. Goo W Prescott, Grand Rapids \$1.

Best three musk meions, James Mantle, Jackson, \$2, 2d do, Goo W Prescott, Grand Rapids, \$1. Best three nutmeg melons, Stephen Marx, Detroit, \$2, 2d do, C M Hubbell, Ypsilanti, \$1. Best three citrons, Robert Bradford, Jackson, \$2, 2d do, Horacc Tanner, Jackson, \$1. Best collection of three or more kinds of melons three or more of each kind, Stephen Marx, Detroit, \$2,

three or more of each kind, Stephen Marx, Detroit, \$2, 2d do, Jas Mantle, Jackson, \$1. Best five cucumbers, Geo W Prescott, Grand Rapids, \$2, 2d do. C M Hubbell, Ypsilanti, \$1 Best half-jeck garden peas, Geo W Prescott, Grand Rapids, \$2 2d do, A D Benham, Olivet, \$1. Best half peck Lima beans, H C Clark, Ann Arbor, \$2, 2d do, A D Benham, Olivet, \$1. Best half peck Lima beans, H C Clark, Ann Arbor, \$2, 2d do, A D Senham, Olivet, \$1.

Best half peck Lima beans, H C Clark, Ann Arbor, \$2.
2d do, H Smith, Grand Rapids, \$1.
Best half peck wax beans, H Smith, Grand Rapids, \$2.
2d do, Jas Mantle, Jackson, \$1.
Best collection of three or more kinds of garden beans, half peck or more of each kind, H Smith, Grand Rapids, \$2.
2d do, James Mantle, Jackson, \$1.
Best dozen ears early sweet corn, H C Clark, Ann Arbor \$2.
2d do, H Smith, Grand Rapids, \$1.
Best dozen ears late sweet corn, C M Hubbell, Ypsilanti, \$2.
2d do, Jas Mantle, Jackson, \$1.
Best dozen ears pop corn, Geo W Prescott.
Grand Rapids, \$2.
2d do, H C Clark, Ann Arbor, \$1.
Best six heads sunflowers, Lewis Galiup, Jackson, \$2.
2d do, G. Stephen Marx, Detroit, \$1.

on, \$2.
2d do, Stephen Marx, Detroit, \$1.
Best six stems Swiss chard, Jas Mantle, Jackson,

22.
2d do, R M Webster, Armada, \$1.
Best sample ground feed, R M Webster, Armada

MICHIGAN STATE AGRICULTURAL SOCIETY

Official List of Premiums Awarded at the Thirty-Third Annual Fair of the Society, held at Jackson September 19 to 23, 1881.

DIVISION A-Cattle. CLASS 1-SHORTHORNS. CLASS I—SHORTHOMNS.

Best bull four years old or over, A S Brooks
Vixom, Mich. \$25.
2d do, Wm Ball. Hamburg, \$20.
2d do, David Miller, Clarkston, \$15.
Best bull three years old, W C Wixom, Wixom,

20. 2d do, Edwin Upton, Leslie, \$15. 3d do, D. McOmber, Hastings, \$10. Best bull two years old, Phelps Best bull two years old, Phelips Bros, Dextet \$30.

2d do, L L Brooks, Novi, \$15

2d do, A Hosmer, North Farmington, \$10.

Best bull one year old, C S Brooks, Brighton, \$15

2d do, A P Cook, Brooklyn, \$10.

3d do, Amos F Wood, Mason, \$5.

Best bull caif, Amos F Wood, Mason, \$12.

2d do, James Moore, Milford, \$8.

3d do, J M Whittaker Lima Center, \$5.

Best bull any age, Wm Ball, Hamburg, diploma.

Best cow four years old or over, Wm Ball, Hamburg, \$25.

2d do, Phelps Bros, Dexter, \$20.

3d do, A S Brooks, Wixom, \$10.

Best cow three years old, Phelps Bros, Dexter, \$20.

20. 2d do, Amos F Wood, Mason, \$15. 3d do, Thomas Shaw, Rankin, \$10. Best heifer two years old, A S Bro

20, 2d do, Phelps Bros, Dexter, \$15, 3d do, Thomas Shaw, Rankin, \$10. Best heifer one year old, W C W 2d do, Wm Ball, Hamburg, \$10.
 3d do, Phelps Bros, Dexter, \$6.
 Best heifer calf, J M Whittaker, Lima Center,

12
2d do, Phelps Bros, Dexter, \$8.
3d do, James Moore, Wixom, \$5
The State Agricultural College entered for exhition, but not for competition, a very fine herd of
horthorns which were examined by the committee
an given the following rank: Bull three years old,
st; cow four years old, 2d; heifer two years old,
heifer I year old, 2d; heifer calf, 1st; heifer calf,
heifer calf, 3d.

HENRY C MEREDITH, WM G MARKHAM, 8 BROWNELL,

Best bull four years old or over, E T Doney Best bull four years old or over, E T Doney Jackson, \$25.
2d do. A J Burrows, Troy, \$20.
Best bull two years old, P K Leech, Utica, \$20.
Best bull one year old, P K Leech, Utica, \$15.
2d do, A J Burrows, Troy, \$10.
Best bull caft, P K Leech, Utica, \$12.
2d do, P K Leech, Utica, \$8.
3d do, P K Leech, Utica, \$8.
3d do, A J Burrows, Troy, \$5.
Best bull any sge, E T Doney, Jackson. diploma.
Best cow four years old or over, P K Leech, Utica, \$2.

20. 2d do, P K Leech, Utica, \$20. 3d do, A J Burrows, Troy, \$15. Best cow three years old, A J Burrows, Troy,

do. PK Leech, Utica, \$15. Best heifer two years old, P K Leech, Utica, \$26 do, A J Burrows, Troy, \$15. 3d do, A J Burrows, Troy, \$16. Best heifer one year old, P K Leech, Utica, \$15. 2d do, E T Doney, Jackson, \$10. 3d do, E T Doney, Jackson, \$5. Best heifer caif, P K Leech, \$12.

EDWIN PHELPS, ASH. CROFOOT, MAKK HAGLE, Viewing Comm CLASS 3-HEREFORDS.

CLASS 3—HEREFORDS.

Best bull three years old, Burleigh & Bodwell, Vassalboro, Me, \$20.
2d do. David Clark, Lapeer, \$15.
Best bull two years old, Burleigh & Bodwell, Vassalboro, Me, \$20.
2d do Edwin Phelps, Pontiac, \$15.
Best bull one year old, Burleigh & Bodwell, Vassalboro, Me, \$15.
2d do, David Clark, Lapeer, \$10.
Best bull calf, David Clark, Lapeer, \$12.
2d do, David Clark, Lapeer, \$18.
3d do, Burleigh & Bodwell, Vassalboro, Me, \$5.
Best bull any age, Burleigh & Bodwell, Vassalboro, diploma.

no, diploma. Best cow four years old or over, Burleigh & Bod ell, Vassalboro, \$25. 2d do, Burleigh & Bodwell, Vassalboro, \$20. 3d do. G. & F Parsons, Wellington, O. \$15. Best heifer three years old, David Clark, Lapeer, 9. 2d do, G & F Parsons, Wellington, O, \$15. 3d do, Burleigh & Bodwell, Vassalboro, \$10. Best heifer two years old, Edwin Phelps, Pon

Best heifer two years old, Edwin Friends, 1 values, 221
2d do, G & F Parsons, Wellington, \$15.
Best heifer one year old, Burleigh & Bodwell, Vassalboro, \$15.
2d do, Burleigh & Bodwell, Vassalboro, \$10.
3d do, David Clark, Lapeer, \$5.
Best heifer calf. David Clark, Lapeer, \$12.
2d do, Edwin Phelps, Pontac, \$8.
3d do, Burleigh & Bodwell, Vassalboro, \$5.
F HART SMITH,
MARK HAGLE,
D S HOLCOMB,
Viewing Committee

Best bull four years old or over, T E Wight, libury, O, \$25 2d do, Chas R Coryell, Jonesville, \$20. Best bull two year old, Chas R Coryell, Jonesville,

20. 22d do, J S Rogers, Orchard Lake, \$'5.
Best bull calf, J S Rogers, Orchard Lake, \$12.
2d do. T E Wight, Milibury, O, \$5.
3d do, T E Wight, Milbury, O, \$5.
Best bull any age, T E Wight, Millbury, O, diplo Best cow four years old or over, J S Rogers, Orchard Lake, \$25, 2d do, Chas R Coryell, Jonesville, \$30, 2d do, T E Wight, Millbury, O, 815, Best cow three years old, T E Wight, Millbury, O \$20.

Best heifer two years old, T E Wight, Millbury.

sest heifer two years old, TE Wight, Millbury. \$20. 2d do. J S Rogers, Orchard Lake, \$15. Best heifer one year old, J S Rogers, Orchard

Best helfer one year one,
Lake. \$15.
2d do, T E Wight, Millbury, O. \$10.
Best helfer calf, J S Rogers, Orchard Lake, \$12.
RICHARD B CARUSS,
DAVID CLARK,
WM SOMERVILLE,
Viewing committe Viewing committe

CLASS 5—JERSEYS,

Best bull four years old or over, Bates & Martin,
Grand Rapids, \$25.
Best bull two years old, W J G Dean, Hanover,
\$20.
2d do, A J King, Elyria, O, \$15.
3d do, Jas Taylor, Kalamazoo, \$10.
Best bull one year old, Howard Kingman, Battle
Creek, \$15. Greek, \$15.
2d do, Bates & Martin, Grand Rapids, \$10.
3d do, Howard Kingman, Battle Creek, \$5.
Best bull calf, Bates & Martin, Grand Ra

\$12. 2d do, W J G Dean, Hanover. \$8. 3d do, Bates & Martin, Grand Rapids. \$5. Best bull any age, Howard Kingman, Battle Creek, diploma. diploma.

Best cow four years old or over, Bates and Martin, Grand Rapids, \$25,
2d do, A J King, Elyria, O, \$20,
3d do, Jas Taylor, Kalamazoo, \$15,

Best cow three years old, A J. King, Elyria, O.

2d do, Howard Kingman, Battle Creek, \$15. 2d do W J G Dean, Hanover, \$15. Best heifer two years old, Howard Kingman, Batle Creek, \$20.
2d do, W J Dean, Hanover, \$15.
2d do, A J King, Elyria, O, \$10.
Best heifer one year old, A J King, Elyria, O,

\$15. 2d do, W J G Dean, Hanover, \$10. 3d do, W J G Dean, Hanover, \$5. Best heifer calf, Howard Kingman, Battle Creek, Best Reties can, 1988

102 do, W J G Dean, Hanover, \$8, 2d do, A J King, Elvria, O \$5

JOHN G ENGLISH

LEONIDAS S SCRANTON, MARK HAGLE.

Viewing Committee

CLASS 6-GALLOWAYS. Best bull, four years old or over, R B Caruss, St Johns, \$25. Best bull, one year old, Burleigh & Bodwell, Vas-salboro, \$15. Best bull calf, Burleigh & Bodwell, Vassalboro, \$12.

Best cow, four years old or over, Burleigh & Bodwell, Vassalboro, \$25.
2d do, R B Caruss, St Johns, \$20.
3d do, R B Caruss, St Johns, \$15.
Best cow three years old, R B Caruss, St Johns, Best cow three years old, M.B. Caruss, St. Johns, \$20.

Dest fer, two years old, Burleigh & Bodwell, o., \$20.
2d c., Barrleigh & Bodwell, Vassalboro, \$15.
3d do. R.B. Caruss, St. Johns, \$10.
Best heifer, one year old, Burleigh & Bodwell, Vassalboro, \$15.
2d do. Burleigh & Bodwell, Vassalboro, \$10.
3d do. R.B. Caruss, St. Johns, \$2.
Best heifer calf. R.B. Ceruss, St. Johns, \$12.
2d do, R.B. Caruss, St. Johns, \$3.
EDWIN PHELPS,
MARK HAGLE,
D.S. HOLCOMB,
Viewing Committee.

CLASS 7-HOLSTEINS.

Best bull, four years old or over, A Underwood, Addison, \$25. Best bull three years old, W A Rowley, Mt Ciemens. \$20. 2d do, Phelps & Seeley, Pontiac, \$15. 3d do, Smalley Bros, Concord \$10. Best bull, two years old, A Underwood, Addi \$20.
2d do. W J Rogers, Pittsfield, O, \$15.
Best bull, one year old, E B Ward, Grand Rapids,
\$15.
2d do, J O Beal & Bro. Rollin, \$10.
2d do, Smalley Bros. Concord, \$5.
Best bull calf, Smalley Bros. Concord, \$12.
2d do, Phelps & Seeley, Pontiac. \$8,
3d do, A Underwood, Addison, \$5.

Best bull of any age, A Underwood, Addison, Best bull of anyage, A Underwood, Addison, diloma.

Best cow, four years old or over. A Underwood,
Addison, \$25.

2d do, Smalley Bros, Concard, \$20.

3d do, Stone & Biggs, Hastings, \$15.

Best c.w, three years old, Phelps & Seeley, Ponlac, \$20.

2d do, A L. derwood, Addison, \$15.

3d do, Phelps & Seeley, Pontiac, \$10.

Best heifer, two years old, W A Rawley, Mt

llemens, \$20.

2d do, A Underwood, Addison, \$15.

3d do, A Underwood, Addison, \$15.

3d do, A Underwood, Addison, \$16.

Best heifer, one year old, Phelps & Seeley, Pontiac, \$15.

Best heifer, one year out, Finely & Scaley,
tiac. \$15.
2d do, Phelps & Seeley, Pontiac, \$10.
3d do, Smalley Bros, Concord, \$5.
Best heifer calf, WA Rowley, Mt Clemens, \$12.
2d do, A Underwood, Addis n, \$8.
3d do, Phelps & Seeley, Pontiac, \$5.

WK SETON.
GM SHAPTUCK.
J V N GREGORY,
Vioning Committee

CLASS 8-GRADE CATTLE. CLASS 8—GRADE CATTLE.

Best cow, four years old or over, A Hosmer, N Farmington, \$20.

2d do, G A Smith, Somerset, \$10.

3d do, David Miller, Clarkston, \$5.
Best helfer, three years old, A Hosmer, N Farmington, \$15.

2d do, David Miller, Clarkston, \$7.

3d do, Moore & Kelley, Ypsilanti, \$4.
Best helfer two years old, Amos F Wood, Mason, \$10.

olo. 2d do, David Miller. Clarkston, \$5. 3d do, A Hosmer, N Farmington, \$3. Best heifer, one year old, A Hosmer, on \$3. Best heifer, one year old, A-Hosmer, M. 1980.

2d do, David Miller, Clarkston, \$5.

3d do, David Miller, Clarkston, \$3.

Best heifer caif, A. Hosmer, N. Farmington, \$5.

2d do, David Miller, Clarkston, \$3.

3d do, David Miller, Clarkston, \$2.

Best herd of Grade cattle, A. Hosmer, N. Farmington, \$20.

2d do, David Miller, Clarkston, \$10.

3d do, Amos F. Wood, Masen, \$5.

JOHN McKAY,
CHAS FISHBECK,
HENRY D. REIDER,
Viewing Committee

Viewing Communication of Class 9—working oxen and steers. Best yoke of working oxen, five years old crover 1 Hosmer, N Farmington, \$25. 2d do, Geo J Townley & Son, E Springport, 20. 3d do, E T Doney, Jackson, \$15. Best yoke of steers, four years old, Oscar Cline, thorward, \$25.

Sherwood. \$30.

2d do, Abram Hart, Jersey, \$15.

B-st yoke of steers, three years old. Warren

Case, Napoleon, \$15.

Best yoke of steers, two years old, David Miller,

Clarkston, \$10.

Clarkston, \$10.

2d do, Amos F Wood, Mason, \$6.
Best yoke of steers, one year old, J L Harris,
Marshall, \$8

2d do, David Miller, Clarkston, \$5.

3d do, Amos F Wood, Mason \$3.

JOHN McKAY.
CHAS FISHBECK.
HENRY D REIDER. Viewing Co

CLASS 10—FAT CATTLE.

Best steer, four years old and under five, G A smith, Somerset, \$15.

2d do, G A Smith, Somerset, \$10.

3d do, O S Walcott, Concord, \$5

Best steer, three years old, G A Smith, Somerset, \$12. Best steer, two years old, A Hosmer, N Farming Best steer, we James In \$6.

2d do, A Hosmer, N Farmingt n, \$6.

3d do, O S Walcott Concord, \$4.

Best steer, one year old, Geo J Townley & S

Springport, \$8.

Springport. \$8.
2d do. Geo J T. wnley & Sop. Springport, \$5.
3d do. A H. smer. N Farmington, \$3
Best heifer, four years old and under five, Phelper s. Dexter, \$15.
Best heifer, three years old, J M Whittaker, Best heifer, three years out, but the Luma Center, \$15.
2d do, Phelps Bros, Dexter, \$2.
3d do, David Miller, Clarkst n \$4.
Best herd of fat catte, G A Smith, Somerset, \$20.
2d do. A Hosmer, N Farmingt n \$20.
WILLIAM WRIGHT,
MARA HAGLE,
A L SWLES
Viewing C. mmittee three years old, J M Whittaker.

CLASS 11-HERDS.

Best herd of Sh Francis, 20.
2d do, A S Brocks, Wixom, \$20.
A G TAYLOR,
G A SMITT.
JOHN McKAY.

JOHN McKAY.
Viewing C mmittee

Best herd of Pevons, P K Leech, Utica \$-0.
2d do, A J Burrows, Troy, \$\frac{2}{2}\$ W if WRIGHT,

GEO W STUART,

A G TAYLOR,

Viewing C · mu iftee,

\$\frac{2}{2}\$\$ \$\frac{ 2d do, David Clark, Lapeer, \$20.

WM WRIGHT, GEO W STUART, MARK HAGLE, Best herd of Ayrshires, TE Wight, Millbury, O. 2d do, JS Rogers, Orchard Lake, \$20. WM WRIGHT.

GEO W STUART, MARK HAGLE, Best herd of Jersevs. WJG Dean, Hanover, \$3, 2d do, AJ King, Elyria, O, \$20. WM WRIGHT, GEO W STUART, MARK HAGLE, Best herd of Galloways, Burleigh & Bodwell, arnes St Johns 630

8, \$20 WM WRIGHT, GEO W STUART, MARK HAGLE.

A special premium for a herd of Shorthor warded to John S Steel, Anderson, O, \$25.

DIVISION B-Horses CLASS 12-THOROUGHBREDS. Pest stallion four years old or over, Kelly & Garvy, Saginaw. \$30.

Best mare, four years old or over, without colt, Wm Milton, Colon \$15.
2d do. John M Mathewson, Lowell, \$12.
Best gelding, two years old, Chas Burnham, Fulton, \$8.

B VOSBURG. CE MORRISON, B & RANSOM, Viewing Committee CLASS 13-HORSES OF ALL WORK. Best stallion, five years old or over, E H Lyons \$t Johns. \$30 2d do, W H Smith & Bro Hi Isdale, \$20. 3d do, W Harris, Francisco, \$10. Best stalliou, four years old A M James, Arland, \$2; \$2. 2d do, Frank W Smith. Watervleit, \$15. 2d do, Frank W Smith. Watervleit, \$15. 3d do, C W Riggs, Francisco, \$10. Best stallion, three years old, E Hasbrouck, Marshall \$20. 2d do, H Tinlin. Eaton Rapids, \$15. 3d do, A M James, Arland, \$10. Best stallion, two years old, B F Miller, South Riley, \$12. 2d do E H Lyons, St Johns, \$10. 3d do, Davia Plowman, Dewitt, \$3. Best stallion, one year old. E H Lyons, St Johns, \$10.

Best stainon, one year old. E. H. Lyons, St. Johns, \$10.
2d do. L. M. Lyons, St. Johns, \$8.
3d do. E. Woodman, Paw Paw, \$5.
Best stallion colt, H. F. Warren, Fowler, \$8.
2d do, David Plowman Dewitt. \$5.
3d do, A. L. Strong, Grass Lake. \$3.
Best brood mare four years old or over. with foal by her side, B. F. Miller, South Riley, \$20.
2d do, E. H. Lyons, St. Johns, \$15.
3d do, S. B. Kerr, Somerset Center, \$10.
Best mare, four years old or over, without colt, Henry Haynes, Leoni, \$12.
2d do, D. S. Holcomb, Jackson. \$3.
Best mare three years old, E. Hasbrouck, Marshall, \$10. ilo. 2d do, Eli Fisk, Tompkins, \$8. 3d do, Eli Fisk, Tompkins, \$1. Best mare two years old, E Woodman, Paw Paw,

Sest mare two years old, E Woodman, Paw Paw,

d ûo, Robt Gould, Ceresco \$5.

3d do. H F Warren, Fowler, \$3.

Best filly, one year old, Chas A Davis, Albion, \$7.

2d do, B f Miller, South Riley, \$5.

3d do, A L Strong, Grass Lake, \$3.

Best filly colt E Woodman, Paw Paw, \$4.

2d do, Milton Reed, Paw Paw, \$3.

Best gelding, five years old or over; C W Riggs, Francisco, \$5.

2d do, James D Perry, Redford, \$10.

2d do, UW Riggs, Francisco, \$5.

Best gelding, four years old, James C Deyo,

Jackson, \$12.

2d do, Allen Lyon, Jackson, \$8. 2d do, Allen Lyon, Jackson. \$8. 3d do. H H Tucker, Concord, \$5. Best gelding, three years old, Eli ake, \$10. dd do. dlen Lyon, Jackson. \$8 2d do. 'len Lyon, Jackson, \$8.
3d do, N H Desham, Quincy, \$5.
Best gending, one year old, James D Perry Redord, \$8. Best gelding, one year old, Chas A Davis Albion

Best pair of matched horses of all work, five years do rover, speed, size, style and fitness for carriage r farm work to be points; weight of each horse to be not less than 1,100 lbs Morris Knapp, Jackson 50 21 do, Myron Snyder, Duck Lake, \$20.
22 do, Myron Snyder, Duck Lake, \$20.
23 do Allen Danning, Beech, \$10.
B-st pair of four year old horses matched in cor, speed, size, style and fitness for carriage or farm work, Robert Gould. Ceresco, \$25.
24 do, F H Hall. Bath, \$15.
Best pair of matched horses for all work, three years old, A Pullips, Dansville \$15.
C E MORRISON, WM BAIR, F W DICKEY, Viewing Committee.
CLASS 14—ROADSTERS.

CLASS 14-ROADSTERS CLASS 14—ROADSTERS.

Dest stallion, five years old or over, WW Starkey,
Fowlerville \$30
21 do, Wm Mellon, Colon, \$20,
3d do, John Abbott, \$10,
best station, four years old, F Messenger, Hillsfala, \$25. ale. \$25. 21 do, Thos Blakley, Lambertville, \$15.

Best stallion, three years old, John L Blake, Te konsha \$20.
2d do, M Osborn. Homer. \$15.
3d do, Jas Coleson, Stockbridge, \$10.
Best geleing. five years old or over, H H Tucker,
Concord. \$1^{-1} = 1^{-1}
2d do. D N Tripp, Coldwater, \$10.
3d do Wm Meilon, 6 olon, \$5.
Best Gelding, four years old, A O Austin, Jackson. \$12. Beet Gelding, four years old, A O Austin, Jackson, \$12, 2d do John G Car'er, Jackson, \$8, 2d do Robt Gould, Ceresco, \$4. Best gelding, three years old, Clement Bros, Colon \$10. Best mare four years old or over, without colt, A O Fisk, Coldwater, \$12, 2d do A O Fisk, 'oldwater \$8, 3d do. C O Bill, Tecumseh, \$5. Best mare, three years old, A C Fisk, Coldwater, \$10.

A. Coto,
do A C Fisk,
do A C Fisk,
do C O Bill, Tecumse.
Best mare, three years old, A C.
O.
Sd do John Conley, Marshall \$6,
do, D N Tripp, Coldwater, \$4,
B V OSBURG,
B F RANSOM,
A L STEBBINS
Viewing Commit

TOCK. Best stallion, two years old, A L Smith, Girar 112. 2d do, Andrew Miller, Dexter, F8. 3d do Henry Haynes, Leonl, \$5. Best stallion, one year old John Harris, Pinck-nov. \$10 Best stallion, one year old John Harris, Pinck-ney, \$10.

2d do, Allen Lyon. Jackson, \$6.

2d do, B H Warren. Fowler \$4.

Best stallion colt, Dr W A Gibson, Jackton, \$7.

2d do, Ma'k H Ray, Concord, \$5.

3d do, E H Lyons, \$4 Johns, \$3.

Best geld.ng, two years old, J L Harris. Marshall, \$8.

\$8.
2d do, Hyde & Rosecrantz Marshall, \$5.
Best brood mare, four years o'd or over, wi
by her side, E H Lyons, \$1 Johns, \$20.
2d do, John G · arter, Jackson, \$15.
3d do, John G Carter, Jackson, \$10.
Best mare, two years old, R B Donelscr
tiac, \$8. isc. \$8. 2d do, Robert Gould. Ceresco, \$5. 3d do. Hyde & Rosencrantz. Marshall \$3 Best mare, one year old, N J Kellog & S olon, \$7.
2d do, Francis Hawley. Horton. \$5.
3d do, E H Lyons, *t Johns, \$2.
Best mare colt, Charles A Davis, Albion, \$5.
2d do, E H Lyon, \$t Johns, \$3.
2d do, J W Parkhurst, Augusta, \$?.
C E MORRISON,
F W DICKEY,
WM BAIR,
Viscing Committee

CLASS 16—GENTS' DRIVING HORSES TO ROAD WAGON
Best pair driving horses, not used for sporting
purposes, to be exhibited under the directions of
the uperintendent in charge of department, W F
Cowhan, Jackson, \$30
2d do, M W Robinson, Jackson \$20.
3d do, J W Hewit, Jackson, \$10.
Best single gelding or mare, five years old or
over, J C Deyo, Jackson, \$30,
2d do, C Pond, Jackson, \$20.
3d do, C P Dolla, Jackson, \$20.
3d do, C Pond, Jackson, \$20.
3d do, C D Bills, Tecumseh, \$10.
Best single mare or gelding, four years old, H H
Tucker, Concord, \$20
2d do, M J Bennett, Mason, \$15.
3d do A B Donelson, Pontiac, \$10.

B VOSBURG,
B F RANSOM,
A L STEBBINS,
Viewing Committee,

CLASS 17—DRAUGHT HORSES.
Best stallion, five years old or over, W H Smith &

CLASS 17—DRAUGHT HORSES.

Best stallion, five years old or over, W H Smith & Bros, Hillsdale, \$30.

2d do, Green & Powell Bros, Olivet, \$20.
3d do, Jonathan H Carter, Detroit, \$10.
Best stallion four years old, J Shaw, Leslie, \$25.
2d do, Galvin Fellows, Mason, \$15.
3d do, John Turnbell, Owoso, \$10.
Best stallion three years old, Green & Powell Bros, Olivet, \$20.
2d do, W H Dancer, Horton, \$12.
2d do, S H Godfrey, Parma, \$2.
2d do, S H Godfrey, Parma, \$2. lo, S H Godfrey, Parma, \$8. t stallion two years old, D McOmber, Hast

Best stanion two years on, pgs. \$10. 2d do, F A Hull, Bath, \$6. 3d do, R B Caruss, St Johns, \$4. Stallion one year old, E Woodman, Paw Paw, 2d Stallion one year old, E Woodman, Paw Paw, 2d \$5.

Best Stallion colt. E Woodman, Paw Paw, \$5.

2d do, F H Hall, Bath, \$3.

Best mare four years old or over, Geo Parrat, Mt. Clemens, \$20.

2d do, E B Ward, Grand Rapids, \$12.

Best mare three years old, Parsons & Baldwin Watervleit, \$12.

2d do, E Woodman, Paw Paw, \$8.

Best fally colt, Geo Parrat, Mt. Clemens, \$5.

2d do, Parsons & Baldwin, Watervleit, \$3.

3d do, F H Hall, Bath, \$2.

Best pair mares or geldings four years old or over, Isaac Mills, Clyde, \$5.0.

Best Dair do, Parsons & A. Sz.
3d do, F H Hall. Bath. Sz.
Best pair mares or geldings four years one ...
Isaac Mills, Clyde, S.O.
2d do, Sam'i Blackwood, South Lyon, S2O.
C E MORRISON,
WM BAMR,
F W DICKEY
Viewing Committee CLASS 18—CARRIAGE AND BUGGY HORSES. CLASS 18—CARRIAGE AND BUGGY HORSES.
Best pair of carriage matched horses sixteen hands or over and five yea:s old or over, Wm Peacock. Le-lie, \$30.
2d do. L Sherwood, Ypsi'anti, \$20.
3d do, John L Biake, Tykon-ha, \$10.
Best pair of matched carriage horses give hands or over and four years old, James C D Tackson, \$2.
2d do, John V Smith, Grass Lake, \$15.
Best pair of matched carriage horses under sixteen hands, four years old or over, M W Robinson, Jackson, \$2.
2d to Jackson, \$25. ackson, \$25. 2d do, Jas C Deyo, Jackson, \$15. 2d do, Philo J Hall, Jackson, \$10.

2d do, Philo J Hall, Jackson, \$10.

Be 1 pair of matched carriage hoises three years
ld, Wright Hawkins, Jackson, \$20.
2d do, E L Mills, Jecumseh, \$12.
3d do, J Terpening, Addison, \$8.
Best single carriage or buggy horse four years old
prover, J C Deyo, Jackson, \$12.
2d do, John E Blake, Tekonsha, \$2.
3d do, Frank E Ives, Unedilla, \$4.
Best single carriage or buggy horse three years
lead to be a light of the province of the pr

THORĐUGHBREDS.

Best étallion five years old or over, A H Cutter, arma, \$100 — 2d do, A B Donel-on, Pontiac. \$75.

3d do, Dr. W. A Gibson, Jackson, \$50.
Best stallion four years old, S L Perrin, Parkville, 75. Best stallion three years old, J L Blake, Tekon ha. \$30.
2d do, N H Desham, Quincy, \$20.
3d do, H H Tucker, Concord, \$10.
Best stalion two years old, A C Fisk, Coldwater 3d do, H L Wixom, Coldwater, \$15, 3d do, A B Donelson, Pontiac, \$10, B VOSBURG, B F RANSOM, F W DICKEY,

Viewing Con CLASS 20-MICHIGAN HORSES, MARES AND GELD INGS.

Best mare or gelding five years old or over, W F
Cowhan, Jackson, \$100.

2d do, A C Fisk, Coldwater, \$75.

3d do, Wm Mellon, Colon, \$50.

Best mare or gelding four years old, H L Wixom,
Coldwater, \$75.

2d do, Jas E Hatch, Horton, \$50.

3d do, A J Barber, Mason, \$25.

Best mare or gelding three years old, W Mellon,
Colon, \$30.

2d do, B S Tibbits, Coldwater, \$20.

3d do, A C Fisk, Coldwater, \$10.

Best mare or gelding two years old, A J Bennett, Mason, \$20.

2d do, D B Hibbard, Jackson, \$15.

3d do, W H Warren, Fowler, \$10.

THOROUGHBRED STALLIONS, MARES AND GELDINGS INGS.

THOROUGHBEED STALLIONS, MARES AND GELDINGS
Best stallion any age, Dr Orr, Caro, \$75.
2d do, J M Mathewson, Lowell, \$50.
Best mare or gelding any age over three years,
Kelly & Garvey, Saginaw, \$50.
2d do, Dr Orr, Caro, \$30.
3d do, Chas Burnham, Fulton, \$20. B VOSBURG, B F RANSOM, A L STEBBINS, Viewing committee CLASS 21-SWEEPSTAKES FOR STALLIONS WITH SIX COLTS OF HIS OWN GET. Best all work stallion, E H Lyon, St Johns, \$30, 2d do, Reed & Cranch, S. Jackson, \$15.
Best roadster stallion, W W Starkey, Fowlerville, an

b VOSBURG,
B F RANSOM,
A L STEBBINS, DIVISION C-Sheep. CLASS 22-THOROUGHBRED AMERICAN MERING Best ram, three years old or over, C M Fellows, and the stern \$20.
2d do, Wm Ball, Hamburg, \$15.
3d do, Thos Gundrie, Grand Blanc, \$10.
Best ram, two years old, L W & O Barns, Byron, \$20.

\$20. 2d do, Jas W Dey, Deveraux, \$15. 3d do, L W & O Barns, Byron, \$10. 3d do, L W & O Barns, Byron, \$10. 4c. Best ram, one year old, James W Dey, Deveranx, \$15.
2d do. J H Thompson, Grand Blanc, \$12.
3d do, Wm Ball, Hamburg, \$8
Best ram lamb, E Kellogg, Rrighton, \$12.
2d do, L W & O Barns, Byron, \$10.
3d do, E Kellogg, Brighton, \$5.
Best two ewes, three years old or over, Wm Ball, Hamburg, \$20.
2d do, J M Moore, Brooklyn, \$15.
3d do, D P Dewey, Grand Blanc, \$10.
Best two ewes two years old, Van Gieson Bros, Clinton, \$20.
2d do, S S Brewster, Hanover, \$15.
3d do, D P Dewey, Grand Blanc, \$10.
Best two ewes one year old, James W Dey, Deveranx, \$15.
2d do, Van Gieson Bros, Clinton, \$12. 2d do, Van Gieson Bros, Clinton, \$12. 2d do, Wm Ball, Hamburg, \$8. Best two ewe lambs, Van Gieson Bros 312.
2d do, L W & O Barns, Byron, \$10.
3d do, E Kellogg, Brighton, 8°.
E W HARDY,
GEO S PIER-ON,
S B HAMMOND,
Viewing Committe
CLASS 23—FINE WOOL GRADES.
Best two ewes, three years old or over, Van

2d do, L W & O Barns, Byron, \$10.
3d do, J M Moore, Brooklyn, \$5.
Best two ewes two years old, Van Gieson Clinton, \$12.
2d do, T H Lyons, Eaton Rapids, \$8.
3d do, E Driggs, Palmyra, \$5
Best two ewes one year old, Van Gieson Clinton, \$10.
2d do, V-n Gieson Bros, Clinton, \$6.
3d do, L W & O Barns, Byron, \$4.
Best two ewe lambs, Van Gieson Bros, Cli 8.
2d do, L W & O Barns, Byron, \$5.
3d do, R D M Edwards, Napoleon, \$3.
FRED C WOOD,
A M WILLETT
Viewing Commit CLASS 24-SOUTHDOWNS.

CLASS 24—SOUTHDOWNS.

Best ram, two years old or over, John LessiterJersey, \$15.
2d do, T B Bennington, La Porte, O, \$10.
3d do, E Driggs, Palmyra, \$6.
Best ram one year old, T B Bennington, La Porte,
7, \$12.
2d do T B Bennington, La Porte, O, \$3.
3d do, John Lessiter, Jersey, \$5.
Best ram lamb, John Lessiter, Jersey, \$10.
2d do, Moore & Kelly, Ypsilanti, \$8.
3d do, A B West, Attica, \$4.
Best two ewes two years old or over, A B West,
Attica, \$15.
2d do, T B Bennington, La Porte, O, \$10.
3d do, E Driggs, Palmyra, \$6
Best two ewes one year old, E Driggs, Palmyra,
\$10. Best two ewes one year one, a Lange, \$10, 2d do, John Lessiter, Jersey, \$8, 3d do, A B West, Attica, \$\cdot\). Best two ewe lambs, John Lessiter, Jersey, \$10, 2d do, John Lessiter, Jersey, \$6, 3d do, T. B Bennington, La Porte, O. \$4, R B CARUSS, C C POND, R CLARK, Viowing Committee.

southdowns.

Best ram two years old or over, C H Belli Best ram two years old or over, C H Bellinger, Atwater, O. \$15. 2d do, T B B-mnington, La Porte, O, \$10. 3d do, S H Todd, Wakeman. O., \$5. Best ram one year old, T B Bennington, La Porte, O. \$12. 2d do, C W Riggs, Francisco, \$8. 3d do Moore & Kelly, Ypsilanti, \$5. Best ram lamb, T B Bennington, La Porte, O, \$10. 3d do, S H Todd, Wakeman, O, \$6. 3d do, John Lessiter, Jersey, \$4. Best two ewes two years old or over, T B Bennington, La Porte, O, \$10. 2d do, T B Bennington, La Porte, O, \$10. 2d do, S H Todd, Wakeman, O, \$6. Best two ewes one year old, T. B Bennington, La Porte, O, \$12. 2d do, C H Bellinger, Atwater, O, \$5. Best two ewe lambs, Moore & Ke ly, Ypsilanti, \$10. 2d do, S H Todd, Wakeman, C, \$5. Best two ewe lambs, Moore & Ke ly, Ypsilanti, \$10. 2d do, S H Todd, Wakeman, Ohio, \$3.

Best two ewe lamos, arosto lamos, signo, \$3.
2d do, S H Todd, Wakeman, Ohio, \$3.
3d do, Moore & Kelly, Ypsilanti. \$4.
R B CARUSS,
A B WEST,
R LARK,

CLASS 26--LEICESTERS.

Best ram two years old or over, John McDonald Best ram two years old or over, John McDonaldBorton, \$15.
2d do, John McDonald, Horton, \$10.
3d do, Amos F Wood, Mason, \$6.
Best ram one year old. E Driggs, Palmyra, \$12.
2d do, E Driggs, Palmyra, \$8
3d do, Amos F Wood, Mason, \$5.
Best ram lamb, John McDonald, Horton, \$10.
2d do. Amos F Wood, Mason, \$6.
3d do, E Driggs, Palmyra, \$4.
Best two ewes two years old or over, Amos F Wood, Mason, \$15.
2d do, E Driggs, Palmyra, \$10.
3d do, John McDonald, Horton, \$6.
Best two ewes one year o.d, John McDonald, Horton, \$12.

Horton, \$12
2d do, Amos F Wood, Mason, \$3
3d do. E Driggs, Palmyra \$5
Best two ewe lambs, A P Cook, Brooklyn, \$10
2d do, Amos F Wood, Mason, \$6
3d do, Amos F Wood, Mason, \$6
HARVEY WILSON,
JAS TAYLOR,
B CLARK,
Viewing Committee.

SHEEP. SHEEP.

Best ram two years old or over, C H Ballinger,
Atwater, Ohio, \$15
2d do, John McDonald. Horton, \$10.
3d do, Frank Wilson, Jackson, \$6.
Best ram one year old, Frank Wilson, Jackson,

\$12. do, C H Bellinger, Atwater, Ohio, \$8. 2d do, E Drigge, Palmyra, \$5. Best ram lamb, C H Bellinger, Atwater, Ohio, Best ram lamb, C H Bellinger, Atwater, Ohio, \$10.
2d do, Frank Wilson, Jacks'n, \$8.
3d do, E Driggs, Palmyra \$1.
Best two ewes two years old or over, Frank Wilson, Jackson, \$15.
2d do, C H B-lilinger, Atwater, Ohio, \$10.
3d do, Frank Wilson, Jackson, \$6.
Best two ewes one year old, C H Bellinger, Atwater, Ohio, \$12.
2d do, Frank Wilson, Jackson, \$8.
3d do, Frank Wilson, Jackson, \$8.
Best two ewe lambs, E Driggs, Palymyra, \$10.
2d do, C H Bellinger, Atwater, Ohio, \$5.
Best two ewe lambs, E Driggs, Palymyra, \$10.
2d do, C H Bellinger, Atwater, Ohio, \$5.
3d do, Frank Wilson, Jackson, \$1.

HARVEY WILSON,
JAS TAYLOR,
B (LAKK,
Viewing Committee

CLASS 28-GRADE COARSE-WOOLED EWES. Best two ewes two years old or over, Moore & Kelly, Ypsilanti, \$12. 2d do. Moore & Kelly, Ypsilanti, \$5. Best two ewes one year old, Moore & Kelly, Ypsilanti, \$10.

2d do. Moore & Kelly, Ypsilanti, \$6, Best two ewe lambs, Moore & Kelly, Ypsilanti, 5. 2d do, Moore & Kelly, Ypsilanti. \$3. H W'LSON JAS TAYLOR, B (LARK. B CLARK.
Viewing Committe
A protest was entered against awards in this clas
which was referred to Supt. in charge, with instruction to report at the winter meeting.

CLASS 29-AT SHEEP.

CLASS 29—PAT SHEEP.

CLASS 19—PAT SHEEP.

La Porte. Ohio, \$12.
2d do, John Lessiter, Jersey, \$8.
3d do. E Driggs, Palmyra, \$5.
Best pen long-wooled sheep, Frank Wilson, Jackson, \$12.
2d do. Amos F Wood, Mason, \$8.
3d do, John McDonald, Hor.on, \$5.
Best pen grade fat sheep, M K Craits, Grass Lake, \$12.

 DIVISION D.—Swine, CLASS 30-BERKSHIRES Best boar, two years old or over, Wm Gunn, Jackson, \$12.
2d do, Wm Gunn, Jackson, \$3.
3d do. Wm N Adams, Jackson, \$4.
Best boar, one year old, N A Clapp, Wixom, \$10.
2d do Wm Gunn, Jackson, \$6.
3d do. N A Clapp, Wixom, \$3.
Best brood sow, two years old or over, Geo J
Townly & Son, E Springport, \$12.
2d do, Geo W Prescott, Grand Rapids, \$8.
3d do, Wm Gunn Jackson, \$4.
Best sow, one year old, N A Clapp, Wixom, \$10.
2d do. Wm Gunn, Jackson, \$3.
Best pen of pigs, not less than four in number over ten months old, Geo J Townly & Son. Springport, \$10.
2d do, Wm Gunn, Jackson, \$6.
3d do, Wn Gunn, Jackson, \$6.
3d do, N A Clapp, Wixom, \$3.
Best boar, any age, Geo W Prescott, Grand Rapids, diploma.

ESSEX. boar, two years old or over, Wm Gunn, Ja

Best boar, two years old or over, R B Caruss, S Johns, \$12. 2d do, T H Lyon, Eaton Rapids, \$8. 3d do, E T Doney, Jackson, \$8. Best boar, one year old, Frank Wilson, Jackson Best boar, var Jackson, \$6, 3d do, A Chandler, Jerome, \$3. Best brood sow, two years old or over, Frank Wilson, Jackson, \$12. 2d do, Patrick Millett, Howell, \$8. 3d do, M L & F A Ray, Concord, \$4. Best sow. one year old, M L & F A Ray, Concord \$10. Best sow. One year one, is a \$10.
2d do, E T Doney, Jackson, \$6.
3d do Patrick Millett, Howell, \$3.
Best pen of pigs not less than four in number nor over ten months old. M L & F A Ray, Concord, \$10.
2d do, P Millett, Howell, \$6.
3d do, TH Lyon, Eaton Rapids, \$3.
Best boar, any age, R B Caruss, St Johns, dinlama.

SUFFOLKS AND SMALL YORKSHIPES SUPPOLKS AND SMALL YORKSHIRES.
Best boar, two years old or over, L B Bennington. La Porte, O. \$12.
2d dc, Frank Wilson, Jackson, \$8.
3d do, Frank Wilson, Jackson, \$4.
Best boar one year old, A Chandler, Jerome, \$10.
2d do, Ganson & Harris, Fenton, \$5.
3d do, Frank Wilson, Jackson, \$3.
Best brood sow, two years old or over, Frank
Wilson, Jackson, \$12.
2d do, Frank Wilson, Jackson, \$8.
3d do, Ganson & Harris, Fenton, \$4.
Best sow, one year, old, Frank Wilson, Jackson,
\$10.

Best boar two years old or over, L W & O Barn Best ogar two years old or over, L W & O Barns, Byron, \$12.

Best sow, two years old or over, S H Todd, Wakeman, O, \$12.

2d do, L W & O Barns, Byron, \$8.

2d do, L W & O Barns, Byron, \$4.

Best sow, one year old, S W & O Barns, Byron.

\$10.

\$10.

2d do, J M Sharp, Jackson, \$6.

Best pen of pigs, not less than four in number nor more than ten months old S H Todd, Wakeman 0, \$10.

2d do, L W & O Barns, Byron, \$6.

3d do. L W & O Barns, Byron, \$3.

Best boar of any age, L W & O Barns, Byron liploma.

Best boar two years old or over, S H Todd, Wakeman, \$12. 2d do, Richardson & Reed, Jackson, \$9. Best boar, one year old, S A Todd, Wakeman, O, 10. 2d do, Richardson & Reed, Jackson, \$6, Best sow, two years old or over, Wiskeman, O. \$12. 2d do, S H Todd, Wakeman, O. \$8. 3d do, Richardson & Reed, Jackson, Best sow, one year old, S H Todd, O. \$10. 2d do, S H Todd, Wakeman, O, \$6.
Best pen of pigs, not less than four nor over ten months old, S H Todd, W

310. 2d do, Richardson & Reed, Jackson, 36. 2d do, Richardson & Reed Jackson, \$3. 3d do, Richardson & Reed Jackson, \$3. Best boar of any age, Richardson & Reed, Jackson, diploma,

FAT HOGS. Best barrow or sow, over one year old, J. M. Sharp, Jackson, \$10.
2d do, S. H. Todd, Wakeman, O., \$6.
3d do, A. Chandler, Jerome, \$3.
Eest barrow or sow, less than ten months old, Frank Wilson, Jackson, \$6.
2d do, Geo. J. Townley & Son, E. Springport, \$4.
3d do, M. L. & F. A. Ray, Concord, \$2. JERSEY RED SWINE.
Alexander Wattles, Battle Creek, special pre-

GEO H D BOYCE, H G HOLT, H W PURSEL,

DIVISION E-Poultry. CLASS 31-ASIATIC. CLASS 31—ASIATIC.

CLASS 31—ASIATIC.

Best pair Light Brahma fowls, Welsh & Terpenning, Reading, \$2.

2d do, Welsh & Terpenning, Reading, \$1.

Best pair Light Brahma chicks, Welsh & Terpenning, Reading, \$2.

2d do, Welsh & Terpenning, Reading, \$1.

Best pair Dark Brahma chicks, Beecher & Henderson, Marshail, \$2. Best pair Partridge Cochin chicks, Ambrose Pur-Best pair Burf Cochin chicks, Geo H White, Marshall, \$2. Best pair Partridge Cochin fowls, Andrew Bur-ger, Adrian. \$1. Best pair Partridge Cochin chicks, Ambrose Pur-Best pair Partridge Cochin chicks, Ambrose Purchase, Aubum, \$2.
2d do, Geo II White, Marshall, \$1.
Best pair White Cochin fowls, Andrew Burger, Adrian, \$2.
2d.do, Andrew Burger, Adrian, \$1.
Best pair White Cochin chicks, Andrew Burger Adrian, \$2.
2 1 do Andrew Burger, Adrian, \$1,
Best pair Black Cochin fowls, Andrew Burger, Adrian, \$2.
2d do, Andrew Burger, Adrian, \$1. Adeisin, St. 2d do, Audrew Burger, Adrian, \$1. Best pair Black Cochin chicks, Andrew Burger

Adrian, 22. 20 do, Beecher & Henderson, Marshall, \$1. DORKING CLASS.

Best pair Dominique fows, Welsh & Terpenning Reading, \$2.
2d do. Welsh & Terpenning, Reading, \$1.
Best pair Dominique chicks, A Burger, Adrian, \$2. 2d do, Welsh & Terpenning, R ading, \$1.

AMERICAN CLASS.

Best pair P ymouth Rocks fowis, Ambross Purcha-e, Auburn \$2.
2d do we h & Terpenning Reading, \$1.
Best pair P ymouth Rocks chicks Weish & Terpenning Reading, \$2.
2d do, Weish & Terpenning, Reading, \$1. GAME CLASS.

B st pai Black Breasted Red Game fowls, John Sweet, Ann A bor, \$2.
2d do, Andre w Burger, Adrian. \$1.
Bast p dr Black Breasted Red Game chicks, John

weet. Ann Arbor, \$2 2d no. John Sweet, Ann Arbor, \$1. Best par Saver Game fowls, John Sweet, Ann Ar SPANISH CLASS.

Best pair Elack Spanish fowls, Welsh & Ter-penning Reading, \$2, 2d do Amirow Burger, Adrian, \$1, Best pair Black Spanish chicks, Andrew Burger, Adrian, \$2, 2d do, Welsh & Terpenning Reading, \$1. LEGHORN CLASS.
Best pair White Leguorn fowls, Ambrose Pur-Best pair White Leghorn rows, Ambrose Parhase. -u un. \$2.

Best pair White Leghorn chicks, Welsh & Tereum, g. Reading. \$2.

2d do, Ambrose Purchase, Auburn, \$1.

Best par airown Leghorn fowls, Ambrose Purchase harbons. \$2.

Best part volume Begunt Chicks, west of temperating, Recding, \$2, 2d do, Ambrose Purchase, Auburn, \$1, Best par i frown Leghorn fowls, Ambrose Purchase, Auburn, \$2, 2d d, k of Low, Jackson, \$1, Best pair Brown Leghorn chicks, Ambrose Purchase, Auburn, \$2, 2d do, Ambrose Purchase, Auburn, \$2, 2d do, Ambrose Purchase, Auburn, \$1, POLISH CLASS.

Best pair Black Polish fowls, Morey Bros, Read-

2d do. Jo'n Sweet, Ann Arbor, \$1. Bat pair Black Polish chicks, Morey Bros, Reading, \$2. Bist pair Black Polish chicks, Morey Bros, Reading, \$2, 2d do. Morey Bros, Reading \$1. Best pair White Polish fowls, Ambrose Purchase. Aubarn, \$2. Bist pair White Polish chicks, Andrew Burger, Adrian, \$2. 2d do, John Sweet. Ann Arbor, \$1. Bist pair Silver Polish fowls, Andrew Burger, Adrian, \$2. Adria, \$2.
21.10, Audrew Burger, Adrian, \$1.
Best prir Silver Polish chicks, Andrew Burger, Adrian, \$2.
24 do, Audrew Burger, Adrian. \$1.
Best pair Golden Polish chicks, Ambrose Parchase, Auburn \$2.
2d do, Welsh & Terpeaning, Reading, \$1. FRENCH CLASS.

Best pair Houdan fowls, Ambrose Purchase, Au-

burn. \$2. 2d do, D S Jones, Jackson. \$1. Best pair Houdan chicks, Ambros Best pair Silver Spangled Hamburg fowls, John Sweet, Ann Arbor, \$2. 2d do, Andrew Burger. Adrian, \$1. Best pair Silver Spangled Hamburg ducks, Am-prose Purchase, Auburn, \$2 2d do, John Sweet, Ann Arbor, \$1.

BANTAM CLASS.

BANTAM CLASS.

Best pair Black Breasted Red Game Bantam fowls, Andrew Burger Adrian, \$2, 2d do, John Sweet, Ann Arbor, \$1.

Best pair Black Breasted Red Game Bantam chicks, John Sweet, Ann Arbor, \$2.

Best pair Duck Wing Game Bantam chicks, John Sweet, Ann Arbor, \$2.

Best pair Silver Laced Seabright Bantam fowls. Lew Acker, Charlotte, \$2.

2d do, Welsh & Ferpenning, Reading, \$1.

Best pair Silver Laced Sebright Bantam chicks, Lew Acker, Charlotte, \$2.

Best pair White Bantam fowls, John Sweet, Ann Arbor, \$2. Lew Acker, Charlotte, \$2.
Best pair White Bantam fowls, John Sweet, Ann
Arbor, \$2.
2d do, John Sweet, Ann Arbor, \$1.
Best pair White Bantam cnicks, John Sweet,
Ann Arbor, \$2.
Best pair Gilt Laced Sebright Bantam fowls,
Andrew Burger, Adrian, \$2.
Best pair Gold Laced Sebright Bantam chicks,
Andrew Eurger, Adrian, \$2.
Best pair Black African Bantam fowls, Welsh &
Terpenning, Reading, \$2.
Best pair Black African chicks, Welsh & Terpenning, Reading, \$2.

ning, Reading, \$2. 2d do, Welsh & Turpenning, Reading, \$1. TURKEY CLASS.

Best pair Bronze Turkeys, Milton Reed. South Jackson, \$2.

Best pair White Turkeys, Ambrose Purchase, Auburn, \$2.

Best pair Buff Turkeys, Ambrose Purchase, Auburn, \$2.

Best pair Grey Turkeys. Ambrose Purchase, Auburn, \$2. burn, \$2.
Best pair Grey Turkeys. Ambrose Purchase, Auburn, \$2.
Best pair Slate Turkeys, Ambrose Purchase, Auburn, \$2.
Best pair Slate Turkey chicks, Ambrose Purchase, Auburn, \$2.
ORNAMENTAL CLASS.

Best pair Guinea fowls, Ambrose Purchase, Auburn, \$2
Best pair Pea fowls, Ambrose Purchase, Auburn, \$2.
Best pair Pea Fowl chicks, Ambrose Purchase Auburn, \$2. Auburn, \$2.

GOOSE CLASS.

Best pair Toulouse geese, Ambrose Purchase, Auburn, \$2.

Best pair White Chinese geese, Ambrose Purchase, Auburn, \$2.

Best pair young White Chinese geese, Ambrose Purchase, Auburn, \$2.

DUCK CLASS.

Best pair Roman ducks Ambrose Purchase Au-

Best pair Roman ducks, Ambrose Purchase, Auburn, \$3.
Best pair Aylesbury ducks, Ambrose Purchase, Auburn, \$2.
Best pair Cayuga ducks, Ambrose Purchase, Auburn, \$2.
2d do, Andrew Burger, Adrian. \$1.
Best pair Pekin ducks, Henry Pelham, Napoleon, \$2. 2d do, Welsh & Terpenning, Reading, \$1.

2d do, Welsh & Terpenning, Reading, \$1.

RABBIT CLASS.

Best Lop-eared Buck rabbit, Ambrose Purchase.
Auburn, \$2.
2d do. Ambrose Purchase. Auburn, \$1.
Best Lop-eared Doe rabbit, Ambrose Purchase,
Auburn, \$2.
2d do. Ambrose Purchase. Auburn, \$1.
Best pair Common rabbits, Ambrose
Auburn, \$2.
2d do, Geo Hibbard, Jackson, \$1. PIGEON CLASS.

Best collection of pigeons, L H Cramiton, Marchall, \$5.
2d do, Warren Case, Napoleon, \$3.

CAGE BIRD CLASS.

Best collection of singing birds, J Bedford, Jackson, \$5.

2d do, S G Wilburt, Jackson, \$3. Best pair Squirrels, Ambrose Purchase, Aut \$2. Best pair Engli h Ferrets, J E Hoag, Deveraux, \$2. Best pair Minks, Wm Randle, Jackson, \$2.

STUFFED BIRDS, collection Stuffed Birds, E Mummery, De-Best collection Stuffed Birds, E. Mummery, De-troit, \$10.

Best, most varied and most valuable collection of Poulitry entered and owned by one exhibitor, Ambrose Purchase, Auburn, \$15.

2d do, John Sweet, Ann Arbor, \$10. NON-ENUMERATED.

Pair Angora Rabbits, LH Cramton, Marsball, \$1. Pair Embden Geese, Ambrose Purchase, Auburn, \$2,
Pair Wood Ducks, Ambrose Purchase, Auburn, \$2. Pair White Call Ducks, Ambrose Purchase, Au Pair White Can Ducks, Amorose Parchase, Auburn, \$2, Pair Buff Geese, Ambrose Purchase, Auburn, \$2 Pair Black Leghorn Fowls, Welsh & Tepen inig, Reading, \$2. Pair Black Leghorn Chicks, Welsh & Terpenning, Reading, \$2. Pair Dominique Fowls, Andrew Burger, Adrian, \$2. 2. Pair Andalusian Fowls, Andrew Burger, Adrian. Pair Andalusian Chicks, Andrew Burger, Adrian, \$2. Pair White Pile Bantam Fowls, Lew Acker, Charlotte, \$2.
Pair Black Hamburg Chicks, John Sweet, Ann Pair Black Hamburg Chicks, John Sweet, Ann Arbor, \$2.
Pair Silver Game Bantam Chicks, John Sweet, Ann Arbor, \$2.
Pair Silver Game Bantam Fowls, John Sweet, Ann Arbor, \$2.
Pair Gold Game Bantam Fowls, John Sweet, Ann Arbor, \$2.
Pair Rose Comb White Leghorns, D H Cramton, Marshall \$2. Marshall, \$2.

Pair Rose Comb Leghorn Chicks, L H Cramton Fair Rose Comb Legnorn Chicks, I. H Cramtor Marshall, \$1.

Pair Red Foxes, H C Clark. Ann Arbor, \$1.

Pair Rose Comb Brown Leghorns, L H Cramtor Marshall, \$2.

Pair Rose Comb Brown Leghorns, L H Cramtor Marshall, \$1.

DAVID JONES, Viewing Commit

CLASS 32-GRAIN AND SEEDS. ord, \$5.
2d do, W H Overholt, Mason. \$3.
Best bushel peas, Jacob Dingman, \$ 5. 2d do, Geo W Prescott, Grand Rapids, \$3. Best bushel white beans, Horace Tanner,

\$6.
2d do, David Woodman, Paw Paw, \$3.
Best bushel small clover seed, Horace Tanner
Jackson, \$5.
2d do, Geo W Prescott, Grand Rapids, \$3.
Best bushel timothy seed, Horace Tanner Jack Best bushel limothy seed, Horace Tannel. 500, \$5. 2d do, Geo W Prescott. Grand Rapids, \$3. Best bushel buckwheat, Horace Tanner, Jac

au 00, Geo W Prescott, Grand Rapids, \$3.
Best bushel buckwheat, Horace Tanner, Jackson, \$3.
2d do, Geo W Prescott, Grand Rapids, \$2.
Best bushel flax, Horace Tanner, Jackson, \$3.
2d do, Geo W Prescott, Grand Rapids, \$2.
Best bushel red top grass seed, Geo W Prescott, Grand Rapids, \$3.
Best bushel red top grass seed, Geo W Prescott, Grand Rapids, \$5.
Best sample of heps, Horace Tanner, Jackson, \$2.
2d do, R M Webster, Armada, \$1.
Best display of a colection of several kinds of grasses in stalk and head, David Woodman, Paw Paw, \$10.
2d do, Joseph Mantle, Jackson, \$5.
Best display and collection of corn in the ear, to consist of at least twelve ears of each variety shown, David Woodman, Paw Paw, \$10.
2d do, Geo W Prescott Grand Rapids, \$5.
Best display of a collection of the several kinds of grain in heads, with stool and root entire, David Woodman, Paw Paw, \$10.
2d do, Jacob Dingman, Sault St Marie, \$5.
Best and greatest assortment of kitchen garden seeds properly classified, Geo W Prescott, Grand Rapids, \$10.
Best exhibition of a general assortment of seeds for field crops David Woodman, Paw Paw, \$10.
2d do, Charles Grant, Thornbery Ont. \$5.
Best display and collection of the several kinds of grain in heads, arranged and named, Chas Grant, Thornbery, Ont, \$10.
2d do, David Woodman, Paw Paw, \$5.
BYRON SUTHERLAND,
W J CANPIELD

CLASS 33-ROOTS AND VEGETABLES.

CLASS 33-ROOTS AND VEGETABLES.

Best collection of not less than ten varieties of potatoes, a peck of each variety, H C Clark, Ann Arbor, \$10.

2d do, W H Overholt, Mason, \$8.
3d do, Geo W Prescott, Grand Rapids, \$5.

Best sample peck of seedling potatoes or inated and grown in the state, J A Williams, Hollon, \$3.

2d do, M S De Puy, St Louis, \$2.

Best three varieties early potatoes, peck of each kind, H C Clark, Ann Arbor, \$3.

2d do, H W Overholt, Mason, \$2.

Best three varieties late potatoes, peck of each kind, W H Overholt, Mason, \$3.

2d do, H C Clark, Ann Arbor, \$2.

Best sample peck of any variety early potatoes, H C Clark, Ann Arbor, \$2.

Best sample peck of any variety potatoes, Best sample peck or any late variety potatoes, Stephen Marx, Letroit, \$2.

Best sample peck or more of sweet potatoes, C
M Hubbell, Ypsilanti, \$3.
2d do, Geo W Prescott, Grand Rapids, \$2.

Best dozen blood beets, C M Hubbell, Ypsilanti, \$4.

Rest dozen turnip beets, C M Hubben, I psnanti, \$2.
2d do, Stephen Marx, Detroit, \$1.
Best dozen sugar beets, Jas Mantie, Jackson, \$2.
2d do, Geo W Prescott, Grand Rapids, \$1.
Best dozen white or yellow beets, James Mantle, Jackson \$2.
2d do do, C M Hubbell, Ypsilanti, \$1.
Best dozen beets for table use, C M Hubbel', Ypsilanti \$2.
2d do, Stephen Marx Detroit, \$1.
Best collection of four or more kinds of beets, ten of a kind, Jas Mantle, Jackson, \$2.
2d do, H Smith, Grand Rapids, \$1.
Best dozen mangel wurtzel, C M Hubbell, Ypsilanti, \$2.

ti, \$2
2d do. Stephen Marx, Detroit \$1.
Eest dozen any variety of carrots, Stephen Marx,
Detroit. \$2.
2d do. Jas Mantle, Jackson, \$1.
Best dozen flat turnips, James Mantle, Jackson,

not less than ten of a kind, Stephen Marx, Detroit, \$2.

2d do, Geo W Prescott, Grand Rapids \$1.

Best dozen or more parsnips, Stephen Marx, Detroit, \$2.

2d do, C M Hubbell, Ypsilanti, \$1.

Best dozen or more salsify, C M Hubbell, Ypsilanti, \$2.

2d do, James Mantle, Jacks n, \$1.

Best dozen or more winter radishes, Stephen Marx, Detroit, \$2.

2d do, Jas Mantle, Jackson, \$1.

Best dozen or more summer radishes, Stephen Marx, Detroit, \$2.

2d do, Joseph Mantle, Jackson, \$1.

Best dozen or more summer radishes, Stephen Marx, Detroit, \$2.

2d do, Joseph Mantle, Jackson, \$1.

Best collection of three or more kinds of radishes, at least ten of a kind, Stephen Marx, Detroit, \$3.

2d do, Jas Mantle, Jackson, \$2.

Greatest variety of culinary vegetables grown by one exbibitor, Stephen Marx, Detroit, \$5.

12d do, James Mantle, Jackson, \$2.

Best four heads drumbead cabbage, C M Hubbell, Ypsilanti, \$2.

2d do, C M Hubbell, Ypsilanti, \$1.

Best four heads Savoy cabbage, Stephen Marx, Detroit, \$2.

2d do, Jas Mantle, Jackson, \$1.

Best four heads Savoy cabbage, Stephen Marx, Detroit, \$2.

2d do, Stephen Marx, Detroit, \$1.

Best four heads red cabbage, C M Hubbell, Ypsilanti, \$2.

2d do, Stephen Marx, Detroit, \$1.

\$2.
2d do, Jas Mantle, Jackson, \$1.
Best six bunches kale, Jas Mantle, Jackson, \$2.
Best dozen stems celery bleached, Stephen Marx, Detroit, \$2.
2d do, Jas Mantle, Jackson, \$1.
Best dozen stems rhubarb, Stephen Marx, Detroit, \$2.

Detroit, \$2.
2d do. H Smith, Grand Rapids, \$1.
Best dozen peppers, C M Hubbell, Ypsilanti, \$2.
2d do, H Smith, Grand Rapids \$1.
Best three varieties of tomatocs, dozen each, H C Best three varieties of tomatocs, dozen each, H C Clark, Ann Arbor, \$2.
2d do, C M Hubbell Ypsilanti, \$1.
Best peck any variety tomatoes, H C Clark, Ann Arbor, \$2.
2d do, C M Hubbell, Ypsilanti \$1.
Eest peck white onicns, Stephen Marx, Detroit,

\$2.
2d do, Geo W Prescott, Grand Rapids, \$1.
Best collection of onions not less than one-half
peck of each kind, C M Hubbell, Ypsilanti, \$3.

Best bushel winter red wheat, AB Travis, Bran

de, \$2.

2d do, Jas Mantle, Jackson, \$1.

Best six stems spinach, Stephen

, Ont, \$10.

oodman. Paw Paw. \$5.

BYRON SUTHERLAND,

W J CANFIELD,

D L GARVER,

Viewing Committee.

Janti. \$2. 2d do, Stephen Marx, Detroit, \$1. Best dozen orange carrots, Stephen Marx, Detroit. \$2. 2d do, C M Hubbell, Ypsilanti, \$1. Best dozen white carrots, C M Hubbell, Ypsilanti, \$2. 2d do, C M Hubbell, Ypsilanti, \$2. 2d do, Stephen Marx, Detroit \$1.

2d do, Stephen Marx, Detroit, \$1.

Best dozen sweet turnips, Geo W Prescott Grand Rapids, \$2.

2d do, H Smith, Grand Rapids, \$1.

Best dozen any other variety of turnips, Stephen Marx, Detroit, \$2.

2d do, James Mantle, Jackson, \$1.

Best collection of feur or more kinds of turnips not less than ten of a kind, Stephen Marx, Detroit \$2. Froduct with phosphate fertilize Product without phosphate fertil

Best four heads red cabbage, C M Hubber, Ypsilanti, \$2, 2d do, Stephen Marx, Detroit, \$1. Best collection of five or more kinds of cabbage, four heads of a kind, Stephen Marx, Detroit, \$3, 2d do, Jas Mantle, Jackson. \$2. Best four heads of cauliflower, Stephen Marx. Detroit, \$2, 2d do, C M Hubbell, Ypsilanti, \$1. Best six heads of lettuce, Stephen Marx, Detroit, \$2.

roit, \$2. 2d do, D E Pierce, Jackson, \$1. Best balf-dozen vegetable eggs, Stephen

2d do, C M Hubbell, Ypsilanti, \$1. Best peck red oaions, C M Hubbell, Ypsilanti, \$2. 2d do, Stephen Marx, Detroit. \$1. Best peck yellow onions, C M Hubbell, Ypsilanti,

Viewing Committee,

DIVISION F—Farm and Garden Produc

Best bushel winter red wheat, A B Travis, Brandon, \$6.

2 do. Horace Tanner. Jackson, \$4.
Best bushel winter white wheat, Jacob Dingman, Sault St Marie, \$6.

2d do, Albert Case, Manchester. \$4.
Best bushel spring wheat, David Brown, Sault St Marie, \$5.

2d do. M Howlett. Sault St Marie, \$3.
Best bushel rye, J F Stebles, Ann Arbor, \$5.

2d do, R M Webster, Armada, \$3.
Best bushel of four-owed barley, David Woodman, Paw Paw, \$5.
Best bushel oats, Horace Tanner, Jackson, \$5.

2d do. F A More, Ypsilanti, \$3.
Best bushel winter barley, David Woodman, Paw Paw, \$5.
Best bushel winter barley, David Woodman, Paw Paw, \$5. Best bushel winter ballof, Sal Marie, \$3.
2d do, Wm Howlett, Sault St Marie, \$3.
Best bushel Dent corn in the ear, M Brath, Jackson, \$5.
2d do, Lewis Gallup, Jackson, \$3.
Best bushel Flint corn in the ear, Horace Tanner

Best six stems Swiss chard, Jas Mantle, Jackson, \$2
Best six stems parsley, Jas Mantle, Jackson, \$2
2d do, C M. Hubbell, Ypsilanti, \$1.
Best six stems any sweet or pot herb, Jas Mantle, Jackson, \$2.
Best collection of four or more kinds of sweet or pot herbs, James Mantle, Jackson, \$3.
2d do, C M Hubbell, Ypsilanti, \$2.
Best six stems kohl rabi, Geo W Prescott, Grand Rapids, \$2.
2d do, H C Clark, Ann Arbor, \$1.
Best wo field pumpkins, James Walker, Jackson, \$2.
2d do, Horace Tanner, Jackson, \$1.
Best half peck bush beans, H Smith, Grand Rapids, \$2. Best Dusker, Fam. Jackson, \$5.
2d do, H J Crego, Jackson, \$3.
Door bushel other variety of corn, J D Perry, Rec

Best bushel water son, \$5, 2d do, O Ellison, Jackson, \$3, Best bushel large clover seed, D L Garver, Hart

Best six stems spinach, Stephen Marx, Detroit, \$2.

2d do, Jas Mantle, Jackson, \$2.

A B GULLEY,
JNO L MI ICHELL,
HIRAM B. CHAPMAN,
Viewing Committee.

CLASS 34-FLOUR, MEAL AND FEED.

Best flour made of white wheat, Elliott & Benham, Jackson, \$5.
Best flour made of red wheat, A B Travis, Brandon, \$5.
Best sample bolted meal, Elliott & Benham.
Jackson, \$2.

2d do, R M Webster, Armada, \$1.
Best sample cora meal, C Pedgham, Union City, \$2.

2d do, R M Webster, Armada, \$1.

Best sample ground feed, R M Webster, Armada, \$2.
2d do, Elliott & Benham, Jackson, \$1.
Best sample of buckwheat flour, R M Webster, Armada, \$2.
2d do Elliott & Benham, Jackson, \$1.
Best sample rye flour, R M Webster, Armada, \$2.
2d do, Elliott & Benham, Jackson, \$1.
Best sample Graham flour, Elliott & Benham, Jackson, \$2.
2d do, R M Webster, Armada, \$1.
Best sample oat meal R M Webster, Armada, \$2.
2d do, Elliott & Benham, Jackson, \$1.
Best and largest display of flour, meal and feed, R M Webster, Armada, \$5.
2d do, Elliott & Benham, Jackson, \$3.
BYRON SUTHERLAND,
W J CANFIELD,
D L GARVER,
Viewing Committee.

SPECIAL PREMIUM OFFERED BY MICHIGAN CARBON SPECIAL PREMIUM OFFERED BY MICHIGAN CARBON

Special premium offered by the Michigan Carbon Works of Detroit for the purpose of eliciting trials of the difference in the yields of whet on our Michigan lands, as compared to the land on which there has been no application of the superplosphate.

Two acres of wheat with 400 pounds of phosphates and two acres without, J D Perry, Redford, lst, \$75.

Albert Case, Manchester, 2d, \$30.

G C Gibbs, Big Beaver, 3d, \$35.

The special committee appointed to examine the entries and proofs submitted for special premiums offered by the Michigan Carbon Works would respectfully report:

That there were 13 entries for these premiums. Of these but four presented any proofs, and of these the proofs in one case were voluntarily withdrawn before your committee were appointed, leaving but three entries and proofs for examination.

From the feet, that no evidence was submitted or

leaving but three entries and proofs for examination.

From the fact that no evidence was submitted or referred as to nature of soil, previous condition of the land, cost of phosphates used, as compared with other fertilizers; and from the further fact that time of seeding, quantity of seed used, and method of sewing varied in each case, the result obtained is not as valuable for practical purposes as it would be under 'different conditions. Still, it will probably meet the and sought by the particular offering the premiums. To be of practical value to farmers, experiments should be continued on the same lands for at least three years, with proper rotati n of crops, using on adjoining pieces of land for trial phosphates or any ordinary fertilizers as the other, with cost of each and compation of results.

Your committee named awards as follows (all products determined by weight, 60 pounds to the bushel):

Ist premium, \$75, to J D Perry, entry No 3, Redford, 'Jayne county, Michigan; sown with drill Sept. 17; 1½ bushels seed per acre.

Bushels per acre.

Jack: on, Sept. 22, 1881.

DIVISION G—Dairy and Other Products.

12 37-60 Gain by use of fertilizer..... d premium. \$50. to Albert Case, entry No. 5, Man-chester, Washtenaw county, Michigan; sown broadcast Sept. 26; 134 bushels seed to acre. Bushels Gain by use of fertilizer 9 10-60 3d premium, \$35, to G C Gibbs, entry No. 7, Troy. Oakland county, Michigan, Big Beaver postoffice; sown with drill Sept. 20; 2 bushels seed per acre. Bushels

\$1.

Best ladies' summer boots, D B Feon, \$1.

Best ladies' shoes, D B Freema Best children's shoes, D B Freema Best display of boots and shoe manufactured in Michigan, D B Fre \$10,

Best single harness, J W Orr, Jac Best riding bridle and martingal Jackson, \$2.

NON-ENUMERATED.

Strap track harness, J W Orr, Jac 6 14 60 W J BAXTER, WM CHAMBERLAIN, C A HARRISON, Committee.

CLASS 35-BUTTER, CHEESE, AND OTHER DAIRY

ARTICLES.

Best twenty-five pounds of domestic butter, Geo W Prescott, Grand Rapids, \$16. 2d do, J Smalk, Paw Paw, \$12. 3d do, Harrison Haynes, Grass Lake, \$8. Best icen pounds of domestic butter, J H Townley, Tompkins \$8. 2d do, Mrs M W Clark, Parma, \$6. 3d do, Mrs M W Clark, Parma, \$6. 3d do, Mrs M W Clark, Parma, \$6. 3d do, Mrs J H Corwin, Grass Lake, \$4. Best exhibit of cheese, not less than five in number, from any household or private dairy, Joseph Yocum, Wellington, O, \$10. 2d do, F L Roser & Co, Wellington, O, \$8. Best display of cheese by any factory, Geo B Horton, Adran, \$25. 2d do, F L Roser & Co, Wellington, O, \$20. 3d do, Jas E Cunningham, Reading, \$15. Best courn for making butter, Mosely & Stoddard Mf'g Co, Poultbey, Vt, \$1. Best Creamer, Mosely & Stoddard Mf'g Co, Poultbey, Vt, \$3. NON-ENUMERATED.

Churn power, J B Alexander, Jackson, 33.

Best upholstered reception chair, & Co, Toledo, O, \$3.

Best center table, Meilink, Small O, \$3.

Best set chamber furniture, Meilin Toledo, O, \$11.

Best set dinning room chairs. M Co, Toledo, O, \$3.

Best extension table, Meilink, Sn do, O, \$3.

Best display of furniture of all Small & Co, Toledo, O, \$15.

Best display of veneers, J Becker \$5. Churn power, J B Alexander, Jackson,

Ash batter tub, S F Heywood, Jackson.
Spruce butter tub, S F Heywood, Jackson.
DENNIS WOLVERTON,
EDWIN PHELPS,
Viewing Committee CLASS 36—SUGAR, BREAD AND CLASS 36—SUGAR, BREAD AND L GARVER, Hart, \$3. 2d do, J W Heline, Adrian, \$2. Best ten pounds maple sugar, Warren Worden, Yorkshire Center, \$5. 2d do, D L Garver, Hart, \$3. Best three loaves, milk or salt rising bread, Mrs M W Clark, Parma, \$3. 2d do, Mrs Martin V True, Jacksou. \$2. Best three loaves yeast bread, Mrs M W Clark, Parma, \$3.

Best three loaves yeast bread, Mrs M w Garage Parma, \$3.
2d do, M E Bartlett, Tompkins, \$1.
Best soda rising bread, Mrs Martin V True, Jackson \$3.
2d do, Mrs J F Drew, Jackson, \$1.
Best corn bread, M E Bartlett, Tompkins, \$3.
2d do, Mrs Minnie De Puy, Jackson, \$2.
Best three loaves brown bread or rye and Indian, R M Webster, Armada, \$5.
Best sample flour bread made by a gill sixten years old or under, Miss Grace Merritt, Jackson, \$2. 82.
Best sample of brown bread made by a girl six teen years old or under, M E Bartlett, Tomphins, \$3.
2d do, F M Reasner, Jackson, \$2.

CLASS 37-HONEY, BEES AND BEE F CLASS 37—HONEY, BEES AND BEE F
Best colony of bees in movable com
H Townley, Tompkins, \$5.
2d do, H D Cutting, Clinton, \$3.
Best bee hive, method of manipulating of securing surplus honey to be of the colony of t

OCTOBER 25, 1881.

Best display of specimens of pickle R M Webster, Armada, \$5. 2d do, Geo W Prescott, Grand Rapid D WOI

2d do, A D Benhaw, Olivet, \$1.

Best specimen of artificial comb for
Benham, Olivet, \$3.

2d do, J H Townley, Tompkins, \$1.

Largest and best collection of ap
ments, to include hives, honey extract
tractors, comb foundation, machines.

shipping cages, etc., H D Cutting, Oli
Best honey extractor, H D Cutting, Clin
Best bee smoker, H D Cutting, Clint
2d do, A D Benham, Olivet, \$2.

Best bee smoker, H D Cutting, Clinton, \$1.

Best honey knife for uncapping,
Clinton, \$1.

Best comb foundation machine, 10

Clinton, \$2.

2d do, A D Benham, Olivet, \$2.

Best was extractor, A D Benham, O
Best collection of queen bees alive,
Clinton, \$3.

Largest and best collection of bee li
Cutting Clinton, \$5.

NON-ENUMBRATED.

Bee feeder, H D Cutting, Clinton, fir EDWIN D WOL

DIVISION H .-- Class 45, Hous Best carpet sweeper, W S Suell, De Best washing machine, G F Burch, Best clothes wringing machine, C V Best clothes wringing machine, or cisco, \$1.

Best laundry table. Wm Dicer, Mar Best collar and cuff ironing machine er. Jackson, \$2.

Best shirt polisher, A M Shearer, Ja MillTO B B M MC G HOW Viewin

DIVISION I-Vehicle CT.ASS 46 -- WAGONS AND CARR CLASS 48--WAGONS AND CARE
Best two horse family carriage, A
Laneing, \$10.
2d do, Romeo Carriage Co, Romeo,
Best one horse carriage, Romeo Ca
meo, \$6.
2d do, A Clark & Co, Lansing, \$3.
Best two spring phaeton, Romeo
Romeo, \$6.
2d do, J J Deal, Jonesville, \$3.
Best top buggy, M J Couney & Co,
\$6.

Best top buggy, M. J. Cochey & Co., So., 2d do, Romeo Carriage Co. Romeo, Best buggy without top, J. J. Deal, 2d do. Komeo Carriage Co., Romeo, Best trotting wagon, A. Clark & C. 2d do. J. W Hewett, Jackson., \$3. Best trotting sulky, A. Bedford, Cold 2d do, J. W Hewett, Jackson., \$3. Best farm wagon for all purposes. J. Best spring wagon for market, Mich. 2d do, Rough Bros. Buchanan, \$5. Best spring wagon for market, Mich. Jackson., \$10. Best single sleigh or cutter, Kalai. Best spring wagon for market, Mich Jackson, \$10.
Best single sleigh or cutter, Kalar Co, Kalamazoo, \$5.
2d do, A Clark & Co, Lansing, \$3.
Best single farm wagon, Austin, Webster Mfg Co, Jackson, \$5.
Best pair bob sleighs for lumberin Co, Albion, \$3.
Best trucks for lumbering purposes, linson & Webster Mfg Co, Jackson, \$5.
Best Carriage jack, J M & S M Bair Best display of Vehicles, Romeo Cameo, \$200. meo, \$20. 2d do, A Clark & Co, Lansing, \$10.

DIVISION J-Machine CLASS 47.
Best machine for making tile, B Pecumseh, medal.
Best Shaft coupling, E Dennis, Jac
Best display of iron castings, E. on, \$2. Best machine for making brick, J.

Adjustable pulley, J B Stockham, J Grain bunder model, Laraway & Di Adjustable pulley, JB Stockham, JGrain binder model, Laraway & Di Creek, \$2.
Steam Cooker model, Dr. Pratt, Jac Hoop coller, A F Ward, Detroit, n Counter shaft, E Dennis, Jacksen.
Drill Press, E Dennis, Jacksen, \$1.
Leather belting, E Dennis, Jacksen, \$2.
Leather belting, E Dennis, Jacksen, \$2.
Combined steam cooker, Frost & 120.
Steam gauge, glass water and low water detector, Jacksen Fron, \$1.

Best check valve, Morton Valve Co.
Best ready adjusting self oiling saw
augh, Hobert & Co., Jackson, meda
Best mill dog with interleabled. CLASS 48-MACHINERY.

Division K-Manufactured CLASS 49—MATERIALS,
Best display of wool from any co
igan, to consist of not less than ten
not less than ten different flocks, R.
\$25.
Best display of fine wool, not less
ples by one exhibitor, R. M. Cross, O.
2d. do. Jas. M. Moore, Brooklyn, \$5.
3rd. do. Van Gieson Bros. Clinton,
Best display of long wool, not less
ples by one exhibitor, Amos. F. Wood
2d. do. R. M. Cross, O. vid, \$5.
Best display of middle wools, not
samples by one exhibitor, Thos A. Mo
\$7.
2d. do. D. B. Kelly. Ynsilanti. \$5.

3d do, McOre & Kelly, Ypsianti, \$5
Best display of flax from any count
Miss Sarah Barber, Fairfield, \$5.
2d do, Mrs. A McClary, Galesburg
Best display of prepared flax raise
Miss Sarah Barber, Fairfield, \$5. HARVEY A B WEST G W ARC CLASS 52-ARTICLES OF LEATHER AND Best ladies' winter boots, DB Free

Strap track harness, J W Orr, Jac CLASS 53—ABTICLES OF FUER Best Sofa, Meilink, Small & Co, T 2d do, Meilink, Small & Co, Tole Best easy chair, Meilink, Small & 3.

O K OLM WALTEJ View CLASS 54—IRON WORK AND ORNAMEN Best ornamental bracket work, Jackson, \$3.
Best ornamental vase, T L Allouia, \$2.
Best cast iron fence, E T Barnum.
Best display of iron work, E T Bass.

DIVISION L. CLASS 56- CLOCKS, JEWELRY AND Best exhibition of silver-plated berlake, Jackson, diploma and \$5.

Best exhibition of Britannia ware, Jackson, \$2.

FRANK

t, Grand Rapids, \$2. ashes, Stephen Marx, De psilanti, \$1. ashes, C M Hubbell, Ypsi. l Rapids, \$1. nashes, E J Bentley, Mon

BER 25, 1881.

Arbor, \$1.

sphen Marx, Detroit, \$2.

psilanti, \$1.

or more kinds of squash,
Stephen Marx, Detroit, \$3.

psilanti, \$2.

kins, H C Clark, Ann Arkson, \$1. ns, Geo W Prescott, Grand Arbor, \$1. as, James Mantle, Jackson Grand Rapids, \$1. elons, Stephen Marx, De

psilanti. \$1. eert Bradford, Jackson, \$2. Jackson, \$1. or more kinds of melons. nd, Stephen Marx, Detroit, rson, \$1. Geo W Prescott, Grand osilanti, \$1. 1 peas, Geo W Prescott. livet, \$1. ans, H C Clark, Ann Ar-Rapids, \$1. ans, H Smith, Grand Rap.

son, \$1. or more kinds of garden of each kind, H Smith ackson, \$1. weet corn, H C Clark, Ann Rapids, \$1. weet corn, C M Hubbell, cson, \$1. corn, Geo W Prescott Arbor, \$1. ers, Lewis Galiup, Jack-

etroit, \$1. ard, Jas Mantle, Jackson, Jas Mantle, Jackson, \$2. et or pot herb, Jas Manr more kinds of sweet or Jackson, \$3. silanti, \$2. rabi, Geo W Prescott, Arbor, \$1. James Walker, Jackackson, \$1. ns, H Smith, Grand Rap. on, \$1. , Stephen Marx, Detroit.

son, \$2. GULLEY, L MITCHELL, AM B. CHAPMAN, Viewing Committe MEAL AND FEED. e wheat, Elliott & Ben heat, A B Travis, Braneal, Elliott & Benham. nada, \$1. Pedgham, Union City. nada, \$1. , R M Webster, Armada, Jackson, \$1. at flour, R M Webster Jackson, \$1. M Webster, Armada, \$2. Jackson, \$1 our, Elliott & Benham.

nada, \$1. M Webster, Armada, \$2. Jackson, \$1. of flour, meal and feed, Jackson, \$3. N SUTHERLAND, ANFIELD, ARVER, Viewing Committee. BY MICHIGAN CARBON

by the Michigan Carbon urpose of eliciting trials yields of whe-t on our ed to the land on which ation of the superphosth 400 pounds of phos-ut, J D Perry, Redford, 2d. \$50. pointed to examine the ed for special premiums rbon Works would rees for these premiums. ed any proofs, and of e were voluntarily with-ittee were appointed, id proofs for examina-

dence was submitted or, previous condition of tes used, we compared from the further fact tity of seed used, and a cach case, the result for practical purposes ent conditions. Still, it sought by the parties be of practical value to the continued on the ree years, with proper ree years, with proper n adjoining pieces of or any ordinary fer-ost of each and compaawards as follows (all ight, 60 pounds to the Perry, entry No 3, Red-pigan; sown with drill per acre.

Bushels

per acre. 25 41-60 fertilizer.... 13 44-60 Case, entry No. 5, Man-nty, Michigan; sown ushels seed to acre. Bushels 9 10-60
bbs, entry No. 7, Troy.
Big Beaver postoffice;
bushels seed per acre.
Bushels 6 14 60

BAXTER, CHAMBERLAIN, HARRISON, Committee. d Other Products. , AND OTHER DAIRY domestic butter, Geo rass Lake, \$8. ie butter,J H Townley,

ma, \$6. ass Lake, \$4. less than five in num-private dairy, Joseph ellington, O, \$8. ny factory, Geo B Hor ellington, O, \$20. Reading, \$15. utter, Mosely & Stod-\$1. oddard Mf'g Co, Poult-ATED.

er, Jackson,
od, Jackson,
wood, Jackson.
NIS WOLVERTON,
'IN PHELPS,
Viewing Committee. D AND PICKLES. L Garver, Hart, \$3. \$2. gar, Warren Worden, salt rising bread, Mrs Jackson. \$2. ead, Mrs M W Clark, kins, \$1. Martin V True, Jack-

on, \$1. ett, Tompkins, \$3. Jackson, \$2. ead or rye and Indian, ade by a girl sixteen ace Merritt, Jackson, d made by a girl six E Bartlett, Tompkins, Best display of specimens of pickled vegetables, R M Webster, Armada, \$\$. 2d do, Geo W Prescott, Grand Rapids, \$3. D WOLVERTON, M SCHRAM, Viewing Committee.

Best ten pounds of becswax, H D Cutting, Clinton, 22 do, A D Benhaw, Olivet, \$1.
Best specimen of artificial comb foundation, A D Benham, Olivet, \$3.
2d do, J H Townley, Tompkins, \$1.
Largest and best collection of apiariam implements, to include hives, honey extractors, wax exactors, comb foundation, machines, honey knives, hipping cages, etc., H D Cutting, Clinton, \$3.
Best honey extractor, H D Cutting, Clinton, \$3.
2d do, A D Benham, Olivet, \$2.
Best bose smoker, H D Cutting, Clinton, \$2.
2d do, H D Cutting, Clinton, \$1.
Best bose smoker, H D Cutting, H D Cutting, Clinton, \$1.
Best comb foundation machine, H D Cutting, Best open foundation machine, H D Cutting, Clinton, \$1.

Clinton, \$3.

Largest and best collection of bee literature, H I

Cutting Clinton, \$5.

NON-ENUMBRATED.

Bee feeder, H D Cutting, Clinton, first premium

DIVISION H .-- Class 45, Household Arti-

Best carpet sweeper, W.S. Suell, Detroit, \$1. Best washing machine, G.F. Burch, Jackson, \$2. Best clothes wringing machine, C.W. Riggs, France

Beet clothes wringing machine, or Negs, clico, \$1.

Best laundry table, Wm Dicer, Marshall, \$1.

Best collar and cuff ironing machine, A M Shearer, Jackson, \$2.

Beet shirt polisher, A M Shearer, Jackson, \$1.

MILTON J GARD,

B B MOSLER,

G HOWARD,

Viewing Committee

DIVISION I-Vehicles.

CLASS 46 -- WAGONS AND CARRIAGES.

meo, \$6.
2d do, A Clark & Co, Lansing, \$3.
Best two spring phaeton, Roineo Carriage Co.
Roineo, \$6.
2d do, J J Deal, Jonesville, \$3.
Best top buggy, M J Councy & Co, Toledo, Ohio

esson, \$10 lest single sleigh or cutter, Kalamazoo Wagon Kalamazoo, \$5.

H M CURTIS, Viewing Committee

co, \$20. 2d do, A Clark & Co, Lansing, \$10.

DIVISION J-Machinery.

CLASS 47.

Best machine for making tile, Brewer & Co.

Tecumseh, medal.

Best Shaft coupling, E Dennis, Jackson, \$2.

Best display of iron castings, E. Dennis, Jackson, \$2.

Best machine for making brick, J. W. Penfield,

NON-ENUMERATED.

CLASS 48-MACHINERY.

Best check valve, Morton Valve Co., Romeo, Best ready adjusting self oiling saw guide, Robaugh, Hobert & Co., Jackson, medal.

Division K-Manufactured Goods.

Best display of wool from any county in Michgan, to consist of not less than ten samples from oil less than ten different flocks, R M Cross, Ovid,

Best display of fine wool, not less than ten samples by one exhibitor, R M Cross, Ovid, \$7.
2d do, Jas M Moore, Brooklyn, \$5.
3rd do, Van Gieson Bros, Clinton, \$3.
Best display of long wool, not less than ten samples by one exhibitor, Amos F Wood, Mason, \$7.
2d do, R M Cross, Ovid, \$5.
Best display of middle wools, not less than ten samples by one exhibitor, Thos A Moore, Ypsilanti, \$7.

2d do, D B Kelly, Ypsilanti, \$5.
2d do, Mcore & Kelly, Ypsilanti, \$3.
Best display of flax from any county in Michigan,
Miss Sarah Barber, Fairfield, \$5.
2d do, Mrs. A McClary, Galesburg, \$3.
Best display of prepared flax raised by exhibitor,
Miss Sarah Barber, Fairfield, \$5.

CLASS 52-ARTICLES OF LEATHER AND INDIA RUBBER

Best ladies' winter boots, DB Freeman, Jackson

Best ladies' summer boots, D B Freeman, Jack-Best ladies' shoes, D B Freeman, Jackson, \$1.
Best ladies' shoes, D B Freeman, Jackson, \$1.
Best display of boots and shoes of all kinds,
Best display of boots and shoes of all kinds,
Best display of boots and shoes of all kinds,
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Best display of boots and shoes of all kinds,
Best display of boots and shoes of all kinds,
Best display of boots

Best single harness, J W Orr, Jackson, \$3 Best riding bridle and martingale, Fred White Jackson, \$2.

NON-ENUMERATED. .

CLASS 53—ARTICLES OF FURNITURE Sofa, Meilink, Small & Co, Toledo, O, \$3. io, Meilink, Small & Co, Toledo, O, \$2. easy chair, Meilink, Small & Co, Toledo, O

Best upholstered reception chair, Meilink, Small & Co, Toledo, O, \$3. Best center table, Meilink, Small & Co, Toledo, 0, \$3.

Best set dinning room chairs. Meilink, Small & Co. Toledo, O, \$3. Best extension table, Meilink, Small & Co, Toledo, O, \$3.

Best display of furniture of all kinds, Melink, Small & Co, Toledo, O, \$15. Best display of veneers, J Becker & Son, Detroit,

LASS 54-IBON WORK AND ORNAMENTAL CONCRETE

Best ornamental bracket work, G W Hooper,
Best ornamental

Best ornamental vase, T L Amphlett & Son, Joila, §2.
Best cast iron fence, E T Barnum, Detroit \$3.
Best display of iron work, E T Barnum, Detroit,

DIVISION L.

CLASS 56- CLOCKS, JEWELRY AND PLATED WARE

Best exhibition of silver-plated ware, J B Timberlake, Jackson, diploma and \$5.

Best exhibition of Britannia ware, J B Timberlake, Jackson, \$2.

set chamber furniture, Meilink, Small & Co.

J A GROSVENOR, GF RANDEL,

O K OLMSTED, WALTER MARTH, Viewing Committee

A F CHANDLER, A A WOOD, Viewing Committee

FRANKLIN MILLS, JAS H JONES, Viewing Committee,

Strap track harness, J W Orr, Jackson, \$1.

HARVEY HAYNES, A B WEST, G W ARCHER.

CLASS 49-MATERIALS

N BROWN, T DENSMORE, Viewing Committ

ansing, \$10. 24 do, Romeo Carriage Co, Romeo, \$5. Best one horse carriage, Romeo Carriag

Best two horse family carriage, A Clark & Co.

CLASS 37-HONEY, BEES AND BEE FIXTURES. CLASS 37—HONEY, BEES AND BEE FIXTURES.

Best colony of bees in movable comb bee hive, J
H Townley, Tompkins, \$5.
2d do, H D Cutting, Clinton, \$3.
Best bee hive, method of manipulation and manner of securing surplus honey to be considered, H
D Cutting, Clinton, \$5.
2d do, H D Cutting, Clinton, \$3.
Best specimen of comb honey, not less than ten
pounds manner of putting up to be considered, H
D Cutting, Clinton, \$5.
2d do, Mrs D H Ranney, Jackson, \$1.
Best specimen of extracted honey not less than
ten pounds, manner of putting up to be taken into
consideration, H D Cutting, Clinton, \$5.
2d do, A D Benham, Olivet, \$3.
Best ten pounds of beeswax, H D Cutting, Clinton,

\$2.

DIVISION M - Printing, Painting and

Stationary.
CLASS 57--PAINTING AND SCULPTURE

Stationary.

CLASS 57-PAINTING AND SCULPTURE.

Best landscape painting in oil of scenery in Michigan, A J Brow, Detroit, \$10.

2d do, A J Brow, Detroit, \$5.
Best historical painting in oil by exhibitor, Miss Augusta Bruce, Clinton, \$5.
Best historical painting in oil by exhibitor, Mrs H W Mosher, Albion, \$5.
Best landscape from nature in oil by exhibitor, Mrs G D Wolcott, Jackson, \$5.
Best landscape from nature in oil by exhibitor, Mrs W K Gibson, Jackson, \$5.
2d do, Mrs E C Brown, Jackson, \$3.
Best animal piece from life in oil by exhibitor, Carl Johnson, Jackson, \$5.
2d do Carl Johnson, Jackson, \$3.
Best bird piece in oil by exhibitor, Miss Ada Upton, Big Rapids, \$5.
2d do, Mrs E C Brown, Jackson, \$3.
Best fruit piece in oil by exhibitor, Mrs W K Gibson, Jackson, \$5.
2d do, Miss & Jinnie DePny, Jackson, \$3.
Best flower piece in oil by exhibitor, Miss Ada Upton, Big Rapids, \$5.
2d do, Mrs W K Gibson, Jackson, \$3.
Best flower piece in oil by exhibitor, Miss Ada Upton, Big Rapids, \$5.
2d do, Mrs W K Gibson, Jackson, \$3.
Best portrait from life large size by exhibitor, A O Rivenaugh, Jackson, \$10.
Best francy painting in oil by exhibitor, Miss L S Cooley, Jackson, \$3.
2d do, Mrs W K Gibson, Jackson, \$2.
Best landscape painting in water colors of scenery in Michigan, H A Mills, Albion, \$5.
2d do, Mrs W K Gibson, Jackson, \$3.
Best portrait painting in oil by exhibitor, A J Brow, Detroit, \$5.
2d do, A J Brow, Detroit, \$3.
Best marine painting in oil by any person, A J Brow, Detroit, \$5.
2d do, A J Brow, Detroit, \$3.
Best portrait in oil by any person, A J Brow, Detroit, \$5.
2d do, A J Brow, Detroit, \$3.
Best portrait in oil by any person, A J Brow, Detroit, \$5.
2d do, A J Brow, Detroit, \$3.
Best portrait in oil by any person, A J Brow, Detroit, \$5.
2d do, A J Brow, Detroit, \$3.

2d do, Mrs Chas B Westren, Henrietta, \$1.
Best embroidered tidy in silk, Mrs D C Biair, Na Clinton. \$3. 2d do, Å D Benham, Olivet, \$2. Best wax extractor, A D Benham, Olivet, \$2. Best collection of queen bees alive, H D Cutting. Best marine painting in on by any person, A b Brow, Detroit, \$5.

2d do, A J Brow, Detroit, \$3.
Best sportrait in oil by any person, A J Brow, Detroit, \$5.

2d do, A J Brow, Detroit, \$3.
Best special subject in oil by any person, A J Brow, Detroit, \$5.

2d do, A J Brow, Detroit, \$3.
Best special subject in water colors by any person, A J Brow, Detroit, \$3.

2d do, A J Brow, Detroit, \$2.
Best collection of oil paintings not less than five by a person not a dealer, 4 rs W K Gibson, Jackson.

Best collection of oil paintings not less than five a person not a dealer, Mrs W K Gibson Jackson Jackson, \$2.
Cotton skirt embroidered, Mrs M M Wells, Jackson, \$1.
Embroidered lace tidy, Mrs Chas B Westren, by a person not a dealer, Mrs W K Gibson, Jackson, \$5.
2d do, Miss L S Cooley, Jackson, \$3.
Best collection of oil paintings by any dealer or association, twenty-five or more. A J Brow, Detroit, \$25.
2d do, E L Lovejoy, Jackson, \$10.
Best winter piece in oil by exhibitor, Mrs W K Gibson, Jackson, \$5.
2d do, Miss Mattie Walcott, Jackson, \$3.
Best pastel painting of face, Bigelow & Weed, Jackson, \$3.
2d do, E L Lovejoy, Jackson, \$2.
Best pastel painting of landscape, Miss Kate Morrel, Jackson, \$3.
2d do, Miss Kate Morrel, Jackson, \$2.
Best crayon drawing of face, Mrs F Livermore, Jackson, \$2.
Best crayon drawing of animal, Fred A Smith, Jackson, \$2.
Best crayon drawing of landscape, Mrs D G Walcott, Jackson, \$2. Embroidered lace tidy, Mrs Chas B Westren, Henrietta, 50 cents.

Satin and felt embroidered in chenille, Miss stella A Reed, Jackson, \$1.

Cotton embroidery hand work, Mrs R C Warren, fackson, \$2.

Pair pillow shams in lace, Mrs H Bayliss, Wayne, **Sate pinow same in lace, arts it bayles, wayne, \$2. Handkerchief in lace, Mrs H Bayliss, Wayne, \$2. Specimen of embroidery in si.k, Mrs D C Meserole, Jackson, \$1. Crewel work designed and worked by a lady eighty-two years old, Mrs W K Gibson, Jackson, \$2. Stocking supporter, vrs S H He.wig. Jackson, \$1. Ladies' camp threadholder, Mrs S H Helwig, Jackson, 50 cents.

Two specimens bead work, Mrs J F Watts, Leslie \$2.

Best crayon drawing of animal, Fred A Smith, Jackson, \$2.
Best crayon drawing of landscape, Mrs D G Walcott, Jackson, \$2.
Best collection of photographs by any person, H A Steele, Jackson, \$3.
2d do, Bigelow & Weed, Jackson, \$2.
Best portrait photograph life size, H A Steele, Jackson, \$2.
2d do, Bigelow & Weed, Jackson, \$1.
Best landscape photograph, Bigelow & Weed, Jackson, \$2.
Best animal photograph, E L Lovejoy, Jackson, \$2.
Best animal photograph, E L Lovejoy, Jackson, \$2. Best top buggy, at J Councy & Co, Toledo, Ohlo, \$6, 2d do, Romeo Carriage Co, Romeo, \$3, Best buggy without top, J J Deal, Jonesville, \$6, 2d do, Komeo Carriage Co, Romeo, \$3, Best trotting wagon, A Clark & Co, Lansing, \$6, 2d do, J W Hewett, Jackson, \$3.

Best trotting sulky, A Bedford, Coldwater, \$6, 2d do, J W Hewett, Jackson, \$3.

Best farm wagon for all purposes, Austin, Tomilinson & Webster M'g Co, Jackson, \$10, 2d do, Rough Bros. Buchanan, \$5.

Best spring wagon for market, Michigan Mf'g Co, Jackson, \$10

Best single sleigh or cutter, Kalamazoo Wagon

\$2. do, Bigelow & Weed, Jackson, \$1. Best portrait photograph colored, H A Steele, Jackson, \$2. dd ob, Bigelow & Weed, Jackson, \$1. Best three cabinet photographs, H A Steele, Jackson, \$2. 2d do. Bigelow & Weed, Jackson, \$1. Best half dozen miniature photographs, Bigelow & Weed, Jackson, \$2. Best half-dozen miniature porcelain photographs, Bigelow & Weed, Jackson, \$2. Best India ink drawing, H A Steele, Jackson, \$3. \$3.
2d do, E L Lovejoy, Jackson, \$2.
Best display of gilt frames, A J Brow, Detroit 5. 2d do, E L Lovejoy, Jackson, \$2. Best display of picture frames, A J Brow, Detroit

Best single sleigh or cutter, Kalamazoo Wagon Co. Kalamazoo, \$5.
2d do, A Clark & Co. Lansing, \$3.
Best single farm wagon, Austin, Tomlinsen & Webster Mrig Co, Jackson, \$5.
Best pair bob sleighs for lumbering, Gale Mrig Co. Albion, \$3.
Best trucks for lumbering purposes, Austin, Tomlinson & Webster Mrig Co, Jackson, \$3.
Best Carriage jack, J M & S M Baird, Holly, \$1.
Best display of Vehicles, Romeo Carriage Co, Romeo, \$20. Best display of picture frames, A J Brow, Detroit, \$5.
2d do. E L Lovejoy, Jackson, \$2.
Best display of decorated porcelain not less than twenty-five pieces, ars O F Woodcock, Lansing, \$10.
Best collection of paintings on slate, not less than five in number, Mrs G D Walcott, Jackson, \$5.
Best specimen of painting on plaque, Miss Ada Upton. Big Rapids, \$3.
2d do, Mrs W K Gibson, Jackson, \$2.
Best specimen of painting on slate, Mrs W K Gibson, Jackson, \$3.
2d do, Mrs G D Walcott, Jackson, \$2.
Best specimen of painting on silk, Mrs G D Walcott, Jackson, \$3. 2d do, Mrs G D Walcott, Jackson, \$2.
Best specimen of painting on silk, Mrs G D Walcott, Jackson, \$3.
Best specimen of painting on holly, E L Lovejoy, Jackson \$2.
2d do, Mrs G D Walcott, Jackson, \$1.
Best specimen of painting on shell, E L Lovejoy, Jackson, \$3.
2d do, Mrs G D Walcott, Jackson, \$2.
Hest specimen of painting on ebonized panel, E L Lovejoy, Jackson, \$3.
2d do, Mrs W K Gibson, Jackson, \$2.

Dest machine for making brick, J. W. Penfield Villoughby, O., medal. Best fan blower, E Dennis, Jackson, \$3. Best circular saw, E Dennis, Jackson, \$3. Best cross-cut saw, E Dennis, Jackson, \$1. Best steam engine, Atlas Engine Works, Indian olis, Ind., medal. NON-ENUMERATED.

Best crayon drawing of figure, M M Mudge, Beld Adjustable pulley, J B Stockham, Jackson, \$2. Grain bunder model, Laraway & Dingman, Battle Grain binder model, Laraway & Dingman, Dattie Creek, \$2. Steam Cooker model, Dr. Pratt, Jackson, \$1. Hoop coiler, A.F. Ward, Detroit, medal. Counter shaft, E. Dennis, Jackson, \$1. Drill Press, E. Dennis, Jackson, \$3. Leather belting, E. Dennis, Jackson, \$1. Domestic steam cooker, Frost & Rawson, Jackson, \$2. ng, \$3. Best spatter work picture, M Vaughn, Jackson, 2. Best specimen painting on velvet, Mrs D C Blair, Jackson, \$3.

Best display portrait photographs, Mrs L Sherwood, Ypsilanti, \$2.

Best specimen of painting on glass, Michael Murray, Jackson, \$1.

Best picture and book display, Rev Thos Burpe, Jackson, \$3.

Best two penmanship pieces, Miss Kate Lennon, son, \$2. Combined steam gauge, glass water gauge, try cock and low water detector, Jackson Foundry, Jack-son, \$1. Best two penmanship pieces, Miss Kate Lennon,

PHILO PARSONS, P HAYDEN, H C LEWIS, CLASS 58--PRINTING AND STATIONARY. oaugn, Hobert & Co., Jackson, medal.
Best mill dog with interlocking knives, Rode-baugh, Hobert & Co., Jackson, \$3.

JACROSVENOR,
JCESTOW
CFAUSTIN,
Viewing Committee,

Best paper made from straw, rags and other material, and paper for newspaper work, W A Hammond & Co, Jackson, medal. PHILO PARSONS, PHAYDEN, H C LEWIS, DIVISION N-Ornamental Needle Work.

CLASS 60-PLAIN NEEDLE AND MACHINE WORK. Best specimen of plain needle work, Miss Hattle mmons, Byron Center, \$3. 2d do, M & Bartlett, Tompkins Center, \$2. Best fine shirt, all by hand, Mrs M W Clark, Par-2d do, M É Bartlett, Tompkins Center, \$2.

Best fine shirt, all by haud, Mrs M W Clark, Parma, \$2.

2d do, Mrs W H Overholt, Mason, \$1.

Best pair of plain handkerchiefs, Miss Hattie Emmons, Byron Center, \$1.

Best silk patchwork quilt by hand, Mrs A J Brow, Detroit, \$3.

2d do, Miss Etta R Baker, Jackson, \$2.

Best calico patchwork quilt by hand, Mrs Jas De Puy, Jackson, \$2.

2d do, Mrs A McClary, Galesharg, \$1.

Best worsted patchwork quilt by hand, Miss Maggie Keeler, Parma, \$2.

2d do, 7 Tompkins, Liberty, \$1.

Best plain white muslin quilt by hand, Mrs A McClary, Galesburg, \$2.

Best pair plain sheets by hand, Miss Hattie Emmons, Byron Center, \$1.

2d do, R M Webster, Armada, 50 cents.

Best pair plain pillow cases by hand, Mrs M M Wells, Jackson, \$1.

2d do, Miss Hattie Emmons, Byron Center, 50 cents.

Best sample of braiding by hand, Mrs A J Brow.

ents.
Best sample of braiding by hand, Mrs A J Brow Detroit, \$2.

2d do, Mrs W H Overholt, Mason, \$1.

Best specimen of hem stitching, Mrs Dwight
Merriman. Jackson, \$2.

2d do, Mrs M M Wells, Jackson, \$1.

Best plain sewing by machine, Mrs W K Gibson,
Jackson, \$2.

Best fine shirt by machine, Miss Hattie Wright,
Jackson, \$2.

NON-ENUMERATED. Pair pillow and shirt shams, Mrs M W Clark, Pair pillow and shirt shams, Mrs M W Clark, Parma, 50 cents.
Fine shirt machine made, Mrs M W Clark, Parma, 50 cents.
Pair darned net pillow shams, Hattie Hunt, Jackson, \$1
Table cover, Miss Louis Mann, Jackson, \$1.
Three pair pillow shams, Mrs Louis Mann, Jackson, \$1.
Double coverlet, Mrs Olive Driscoll, Jackson, \$1.
MRS E C BROWN.
MRS CHAS B WESTON,
Viewing Committee,

LASS 61—EMBROIDERY AND ORNAMENTAL NEEDLE • WORK.

Best and largest collection of ornamental needle work or embroidery by one person, Mrs M M Wells, lackson, 83.

2d do, Miss Etta R Baker, Jackson, \$3.

Best embroidered infant's dress, Mrs U H Mitchs, unere, Jackson, \$2.

2d do, Mrs C H Mitchamere, Jackson, \$1.

Best embroidered nillow covers in cotton or 2d do, Mrs C H Mitchamere, Jackson, \$1.

Best embroidered pillow covers in cotton (
inen, G M Stanley, Jackson, \$3.

2d do, Mrs D C Meserole, Jackson, \$2.

Best embroidered infant's blanket, Mrs F
Draper, Jackson, \$2.

2d do, Mrs Van Dering, Sandstone, \$1.

Best embroidered handkerchief in cotton or lines

Mrs I Showrood Vacillant \$3. 2d do, Mrs Van Dering, Sandstone, \$1.
Best embroidered handkerchief in cotton or linen,
Mrs L Sherwood. Ypsilanti, \$2.
2d do, Mrs A J Brow, Detroit, \$1.
Best embroidered letters in marking cotton or
linen, Mrs A J Brow, Detroit, \$1.
Best embroidered infant's dress in silk, Miss
Etta R Baker, Jackson, \$2.
2d do, Mrs F R Draper, Jackson, \$1.
Best embroidered ottoman or chair cover in silk,
Mrs D S Holcomb, Jackson, \$2.
Best embroidered piano or table cover, Mrs W K

Mrs D S Holcomb, Jackson, \$2.

Best embroidered piano or table cover, Mrs W K Gibson, Jackson, \$4.

2d do, Mrs M W Clark, Parma, \$3.

Best embroidered ladies' dross or mantle in silk, Mrs M M Weils, Jackson, \$3.

Best epecimen chenille embroidery, Miss Stella Reed, Jackson, \$2.

2d do, Mrs Water Webb. Jackson, \$1.

Best cut or tafted work, Mrs J H Townley, Tompkins, \$3.

2d do, Mrs A McQuillin, Rives Junction, \$1.

Best pair lamp mats in worsted, Mrs D C Blair, Napoleon, \$1.

2d do, Miss Nellie C Jenkins, Jackson, 50 cents. Embroidered ottoman or chair cover in worsted,

Korticultural.

Mrs D F Woodcock, Lansing, \$2.
2d do, Mrs C B Westren, Henrietta, \$1.
Best pair of slippers in silk, Miss Nellie Merriman, Jackson, \$1.
Best sample towel rack, Mrs D F Woodcock,

oleon, \$2. 2d do, Mrs M W Clark, Parma, \$1.

NON-ENUMERATED. Embroidered hose, Mi & Etta R Baker, Jackson

CLASS 62- CROCHET, KNIT AND PANCY WORK.

35.2d do, Mrs Walter Webb, Jackson \$3.Best child's Afghan robe, Mrs M W Clark, Parn

2. Best cotton tidy, Mrs A J Brow. Detroit. \$2. 2d do, M E Bartlett, Tompkins Center, \$1. Best worsted tidy, Mrs M W Clark, Parms, \$1. 2d do, Miss Nellie W Merriman, Jackson, 5

Best pair crochet toilet mats, Mrs A J Brow,

Best crochet or kint dead, Norvell, \$1.
2d do Mrs G O Ladd, Norvell, \$1.
Best crochet or kint shawl, Miss Nellie W Meriman, Jackson, \$3.
2d do, Mrs A J Brow, Detroit, \$1.
Best crochet or knit ladies sack, Mrs A J Brow

NON-ENUMERATED.

Knit bed spread, Mrs A D Eddy, Jackson, \$2.
Lambrequin in worsted, Mrs M W clark, Pari

Crochet hassock, Miss Neilie W Merriman, Jack-

son, 50 crats.

Table spread and bracket, Miss Nellie W Mer-riman, Jackson, 50 cents.

Pair knit fancy infant's socks, Miss Carrie Choat,

ackson, 50 cents. Pair crochet gent's gloves, Mrs M W Clark, Parma

25 cents.

Pair crochet gent's gloves, Mrs M W Clark

Best display of hair work, Miss E L Horton Horton, Jackson, \$3. 2d do, Mrs F Rentchler, Ann Arbor, \$2. Best display of wax work, R M Webster, Arms

Best display of Manager and Section 1988 and 1989.

Best display artificial flowers in silk, muslin, paper or feathers, Mrs C B Westren, Henrietta, \$2 2d do, feather bouquet, M E Bartlett, Tompking

enter, \$1. Best wreath of dried grasses and plants, Nellie C

fenkins, Jackson, \$2. 2d do, Mrs P E Pierce, Jackson, \$1. Best boquet of dried grasses and flowers, Mrs I Gibson, Jackson, \$2.

NON-ENUMERATED.

DIVISION O-Miscellaneous.

CLASS 64-MISCELLANEOUS ARTICLES.

NON-ENUMERATED.

nnia, \$2 Wrought iron fence, E T Barnum, Detroit, \$5. N BROWN. T DENSMORE, Viewing Committee

DIVISION P-Children's Department.

Sackson, \$2.
Specimen drawing, Maggie Trust, Jackson, \$1.
Set toy furniture, Maggie Trust, Jackson,

Pair plain handkerchiefs, M E Bartlett, Tomp

cents.

Specimen scroll sawing, H F Watts, Leslie, \$1.
Worsted tidy, Edith Holcomb, Jackson, 50 cents.
Toilet set, Edith Holcomb, Jackson, 50 cents.
Sample canned fruit, Ada C Prescott, Grand Rapids, 50 cents.
Collection of canned fruits, Ada C Prescott, Grand Rapids, 50 cents.
Loaf of brown bread, Sadie Brown, Jackson, 25 cents.

and Lieutenant-Governor Bethel is having an extensive grove of cocoanut trees planted.

MISS MINNIE H BROW, MRS MARY W MERRIMAN, Viewing Committee

MRS HENRY H SMITH, NRS S H HARTWELL,

Viewing Commit

Feather wreath, A S Fish, Parma, \$2

display of wax work

MRS HENRY H SMITH. MRS GH HARTWELL,

MICHIGAN FRUITS AT BOSTON

Best sample towel rack, Mrs D F Woodcock, Lansing, \$1.
2d do, Mrs M M Wells, Jackson, 50 cents.
Best embroidered foot rest, Mrs Martin V True, Jackson, \$2.
Best specimen Honiton lace work, Mrs J F Wntts, Leslie, \$2.
2d do, Mrs Walter Webb, Jackson, \$1.
Largest and best collection of lace work, Mrs M M Weils, Jackson, \$4.
2d do, Mrs J F Watts, Leslie, \$2.
Best applique embroidery in silk or velvet, Mrs D F Woodcock, Lansing, \$2.
Best cretonne embroidery, Mrs E C Brown, Jackson, \$2. A circular, published by the commission ers, soon a'ter their organization, and free ly distributed, divided the State into five districts; assigning one to each of the commissioners, as follows: To Prof. W. J. Beal, Northeastern

Michigan.
To Evart H. Scott, Southeastern do. To T. T. Lyon, Southwestern do.
To J. G. Ramsdell, Northwestern do.
To W. K. Gibson, with H. Dale Adam s assistant. Central do.

Best cretonne embroidery, Mrs E C Brown, Jackson, \$2.
Best graphic embroidery, Mrs E C Brown, Jackson, \$2.
Best crewel embroidery, Miss Carrie Choate, Jackson, \$2.
2d do, Mrs D F Woodcock, Lansing, \$1.
Best embroidered bracket, Mrs Walter Webb, Jackson, \$1.
2d do, Miss Nellie Merriman, Jackson, 50 cents.
Best embroidered toilet set. including mat cushion and cover, Mbs Louis Mann, Jackson, \$3.
2d do, Mrs P E Pierce, Jackson, \$2.
Best embroidered sofa pillow in worsted, Mrs F Livermore, Jackson, \$3.
2d do, Mrs D F Woodcock, Lansing, \$2.
Best fancy pir cushion, Mrs M V Clark, Parma, \$1. At the first meeting of the commission ers, at Kalamazoo, arrangements had been made with Secretary Garfield, for the man and pamphlet illustrating Michigan horticulture, already spoken of. 51.

2d do, Mrs M M Wells, Jackson, 50 cents.

Best toilet set in worsted or lace, Mrs A J Brow,

Detroit, \$1.

Best macrami work, Miss Nellie C Jenkins, Jack-

Aside from this, Prof. Beal, from his district, contributed one or more varieties of apples, two or more varieties of crabs, a very attractive and instructive collec tion of indigenous fruits and nuts, and eight cases, neatly put up, of insects injurious to the fruit crop; the whole carefully named and classified. These cases \$1. Specimen of darning, Miss Nellia M Merriman, Jackson, \$1. Scrap bag, Miss Carrie Schwarz, Adrian, 50 cents. Display of point lace, Mrs F Livermore, Jackson, to were arranged by the students of the junior class of the Agricultural College. under the direction of Prof. Cook, of that 3. Plain sofa pillow, Mrs Louis Mann, Jackson, 50 ents. Ladies' embroidered skirt, Mrs Louis Mann,

institution. Through the efforts of Mr. Scott, B. W Steere, of Adrian, Lenawee County, was induced to undertake the collection of a set of fruits for this exhibit. The result was the shipment to Lansing, of the largest and finest contribution from any single locality, with the possible exception of Judge Ramsdell's Traverse collection. A special beauty of this collection was the fact that the varieties were carefully and correctly named; and, with rare exceptions, all were free from blemish or imperfec-

Two specimens bead work, Mrs J F Watts, Lese, \$2. Collection of black point lace, Mrs M M Wells, Besides these, Mr. Scott collected, from ackson, \$1. Embroidered chair, Mrs Nellie Wallace, Jackson, the vicinity of Ann Arbor, a fine set of 23.
Pair worsted pillow shams, Mrs A Crittenden,
Jackson, 50 cents.
Carpet coverlet, Mrs A Crittenden, Jackson, \$2.
MRS W H BROCKWAY,
MISS VAN ANTWERP,
MISS L DART,
Viewing Committee, varieties, largely of grapes, embracing, among others, the Woodruff and McDon ald seedling grapes, of recent origin there. From the Southwestern district, in charge of T. T. Lyon, there were received from W. A. Brown, and through him from Best gent's scarf, Mrs. Dwight Merriman, Jack-on, \$1. Best Afghan robe, Mrs H C Clark, Ann Arbor, J. K. Bishop, of Millburg, Berrien Co.,

thirty varieties of apples. Mr. Geo. F. Comings, of St. Joseph, also sent apples and Howell pears. Mr. S. H. Comings also sent Seckel pears. Several parties are said to have sent specimens of grapes direct, to care of the commission, at Boston. If so, no no Detroit, \$2.

Best crochet or knit hood, Mrs Chas B Westley,
Henrietta, \$2.

2d do, Mrs D S Holcomb, Jackson, \$1.

Best crochet or knit bed spread, Mrs R McNaughtice of them was received through the mail; and in the hurry of unpacking their identity was lost. Should such prove the fact, they can be hereafter acknowledged.

It is the purpose of the commission to ac-

cord a credit to all contributors, whether 2d do, Mrs & B Blow, Best crochet or knit ladies sack, Mrs A J Brow, Detroit, \$2, 2d do, Mrs C B Westren Henrietta, \$1 Best crochet or knit infant boots, Miss Carrie Choat, Jackson, \$1. Best crochet or knit fancy mittens, Miss Mary Austin, Jackson, \$2, 2d do, Mrs C B Westren. Henrietta, \$1. Best crochet or knit fancy purse, Mrs Dwight Merriman, Jackson, \$1. their contributions became part of the actual exhibit or not. A committee selected by the South Haven Pomological Society, for the purpose of making a collection, for this object, from that vicinity, seem to have chosen to forego this purpose, and to devote their energies to the effort to win cash premiums a Chicago and Jackson, instead. No collection whatever was received from there, save a peck basket of peaches, very nicely put up by M. H. Bixby, to show his mode of packing this fruit for distant transportation; together with nine varieties of apples from L. H Bailey, one variety from

> from Hon, Geo. Hannahs. The committee to collect for the Saugatuck and Douglas Pomological Society failed to send anything.

J. G. Ramsdell, and two varieties of pears

da, \$3.

Best specimen feather fan, Mrs Dwight Merriman, Jackson, \$1.

Best display of wax flowers, Mrs John Moody, Jackson, \$2.

2d do, R M Webster, Armada, \$1.

Best display of fruit in wax, R M Webster, Armada, \$2. To the Allegan Pomological Society we are indebted for a fine collection of peaches, together with thirteen varieties of apples the contribution of J. H. Wetmore, of that place; also three varieties of peaches, from 3. Rumery, of the neighboring town of Monterey.

To C. A. Button, the President of the society at Holland, Ottawa County, we were indebted for a fine collection of fruits, including apples, peaches and grapes; mostly of his own growth; but partially contributed by others. A separate package, containing grapes contributed by Mr. DeVries, which came in later, was sent in a later package.

Case of eggs, Mrs F M Reasner, Jackson, \$1. Wax motto, R M Webster, Armsda, \$1. Display of hair jewelry, Mrs F Rentchler, An Artificial flowers in basket, Mrs F Rentchler, Ann Arbor, \$1. Although the Muskegon Society had a committee, charged with the duty of collecting fruits for this purpose, the only collection received from that place was a set of eight varieties of Rogers' Hybrid Best specimen of brick, J W Penfield, Willoughby, O, \$3.
Best collection of fire brick, Jackson Fire Clay Co. Jackson, \$3. grapes, grown by S. B. Peck, and by him packed and expressed direct to Boston, Best collection of work in marble, L D Vinson & Co, Jackson, \$5. when they arrived in good condition, on the second day of the exhibition.

NON-ENUMERATED.

Tabular fountain fence, J W Fuller, Jackson, \$2
Vitrified salt-glazed sewer pipe, drain tile and
paving brick, Jackson Fire Clay Co, Jackson, \$15.
Display of sewer tile and sewer pipe, Bennet
Brick & Tile Co, Jackson, \$10.
Exhibition of hearse, caskets and burial robes,
Olmstead, Carey & Delebanty, Jackson, \$20.
Specimen artificial stone, P Jenkins, Jackson, \$2.
Barrel ground bone, C R Taylor, Jackson, \$2.
Specimen of wood-turned ware, O W Bliss,
Ionia, \$2. Judge Ramsdell found so little encouragement, on account of the imperfection of specimens and the general scarcity of fruit, that after an effort of a few days among the orchards of the Peninsula he abandoned the attempt and fell back, "in good order," upon his own orchards for a supply. Notwithstanding the unfavorable season, he brought out a very nice and varied collection; including apples, pears, peaches, plums, cherries, nectarines and nuts. The apples were of course less ma-Specimen of hand sewing, Maggie Trust, age 11, Jackson, \$2. ture, and smaller than the same varieties grown farther south, but the peculiarities of the collection, and the wide range of rair plain landercheise, and Bartlett, Tomptins Center, 50 cents.

Pair pillow cases by hand, M E Bartlett, Tomptins Center, 50 cents.

Plain calico dress, by hand, M E Bartlett, Tomptins Center is a Center in a Center in fruits included in it, so effectively illustrated the peculiarities of the locality, and the modification of the climate through lake Plain calico dress, by hand, M E Bartlett, Tomp-kins Center, \$1.

Silk quilt, Sadie Brown, Jackson, \$1.

Patchwork qu lt, Willis Conner, 6 years old, Jackson, 50 cents.

Bedroom set, Arthur V Potter, age 12 years, Jackson, \$2.

Panel picture, Cora Bush, Grass Lake, \$1.

Landscape picture, Cora Bush, Grass Lake, 50 years. influence, that it was thought best to use the entire collection, in order to afford a means of comparison between the north and the south, as well as to demonstrate the fact that, in Michigan, an insular locaents. Wool patchwork quilt, Carrie Rose, Jackson, 50 tion gives to latitude 45° the climate and Patchwork quilt, Irene Allison, age 8 years, Jackson, 25 cents.
Patchwork quilt, Irene Allison, age 8 years, Jackson, 25 cents.
Patchwork quilt, Victor Wilcox, Jackson, 25 the productions of a degree and a half farther south.

The central district of the State contributed nothing whatever to the collections beyond what was supplied from the Agricultural college, although efforts were made by E. Buell, of Kalamazoo, to supply specimens of Red Canada apples, and Kalamazoo grape; but he was unable to find any creditable specimens within reach. The only exception to this was the sending of specimens of a seedling apple, by I. N. Stearns, of Kalamazoo; a description of

Cocoanut growing is becoming an important industry in Florida. Charles Maloney has a plantation of several thousand trees on Stock Island; J. V. Harris, of Key West, has about 7,000 trees; E. O. Lock, about 10,000;

\$80,000 WORTH FURNITURE

To the People of Michigan:

We would announce that we have stocked our Mammoth Warerooms with the largest and most varied and best made stock of Furniture ever displayed in the State. You can make your selections in furnishing your hotel, house, room, or office from 100 parlor suits in all materials of coverings, \$30 a suite; 200 bedroom suits, each suite with three pieces, from \$20 a suite, 300 wood and marble top center tables from \$5; sideboards from \$15; book cases from \$18; bureaus from \$5 75; washstands from \$150; stands from \$125; spring beds from \$160; mattresses from \$150; pillows, 61b, \$150 each; lounges from \$5; looking glasses from 25c; cane, wood and rattan rockers and chairs at factory prices; 75 cottage painted suites from \$25 a suite, all colors.

We can give you a 'edstead, bureau, washstand, stand, cane rocker, 2 cane chairs, one spring bed, 1 mattress, 2 feather pillows and comforters for \$20, and can furnish a house of 5 rooms for \$50. We make no charges for packing or delivering goods at depots here. All can save themselves their expenses by coming to Detroit on a purchase, of \$25, besides selecting from the largest stock in the State. Call and examine for yourselves, and you will be convinced we were never undersoid and don't ever intend to be.

DUDLEY & FOWLE.

Nearly opposite Michigan Exchange, 125, 127 & 129 Jeff. Ave., Detroit

ection attracted great attention during | MRS. LYDIA E. PINKHAM, OF LYNN, MASS. the exhibition, and was considered, (as it really was), very creditable to the State; receiving the highest award provided by the Society—the Wilder Silver Medal. I trust that my associates will, however, jus tify me in saying, even in the face of this result, that the collection was by no means what it might and ought to have been. The interest taken in the matter was far too limited. With a thorough interest in such an undertaking, there are doubtless nundreds of single townships, in Southern Michigan, that, single handed, even in as unfavorable a season as the present, could have supplied an exhibit quite as creditable as the one actually shown. Indeed, the result should be considered quite as much a consequence of the weakness or failure of others, as a manifestation of our strength. Our State certainly might and ought to have stood far higher.

NEW ADVERTISEMENTS.

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Clydesdale and Hambletonian Horses The largest and deepest milking herd of Heisteins in the world. 225 head, mostly imported. Males and Females of different ages.

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Hambletonian Stallions and Mares of Superior breeding. Personal inspection invited. Separate Catalogues of each class, and milk records of cows, mailed free on application. All inquiries promptly answered. State that you saw this advertisement in the Michigan Marker.

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Send stamp for Price and Descriptive List. Also Trees, Small Fruits, etc. T. S. HUBBARD, Fredonia, N. Y.



body Medical Institute or Dr.W.H. PARKER, No 4 Bulfinch st, Boston. **PENSIONS**

Secured. Also Bounty, Back-pay, Increase of Pensions, New and Honorabic Discharges, Patents &c. Thousands entitled. New Laws. Now is the time! Do not delay! Soldiers, Widows. Children, Parents, Brothers and Sisters entitled. Have your claim investigated. Apply at once. Send two stamps for blanks and instructions, complete, to—
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HOPETREDEAF Dr. Peck's Artificial Ear Drums PEMPECTAT RESTORE THE HEARING and perform the work of the Natural Drum. Always in position, but invisible to others. All Conversation and even schizopers heard dis-tinctly. We refer to those using them. Send for descriptive circular with testimonials. A. R. K. PECK & CO., 858 Breadway, New s13-6m

Lowest prices ever known on Breech-Londers, Rifles, & Revolvers.

OUR \$15 SHOT-GUN

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On the line of the Wisconsin Central Railroad. For full particulars, which will be sent free, ad-CHAS. L. COLBY.

Land Commissioner, MILWAUKEE, Wis



LYDIÁ E. PINKHAM'S VEGETABLE COMPOUND. Is a Positive Cure

for all those Painful Complaints and Weakness so common to our best female population. so commen to our best female population.
It will cure entirely the worst form of Female Complaints, all ovarian troubles, Inflammation and Ulceration, Falling and Displacements, and the consequent Spinal Wealmess, and is particularly adapted to the

Spinal Weakness, and is particularly adapted to the Change of Life.

It will dissolve and expel tumors from the uterus in an early stage of development. The tendency to cancerous humors there is checked very speedily by its use. It removes faintness, flatulency, destroys all craving for stimulants, and relieves weakness of the stomach. It cures Bioating, Headaches, Nervous Prostration, General Debility, Sleeplessness, Depression and Indicated. gestion.

That feeling of bearing down, causing pain, weight

Into teeting of cearing down, causing pain, weight and backache, is always permanently cured by its use, It will at all times and under all circumstances act in harmony with the laws that govern the female system. For the cure of Kidney Complaints of either sex this Compound is unsurpassed.

LYDIA E. PINKHAM'S VEGETABLE COM-

POUND is prepared at 23 and 25 Western Avenue, Lynn, Mass. Price \$1. Six bottlesfor \$5. Sent by mail in the form of pills, also in the form of lozenges, on receipt of price, \$1 per box for either. Mrs. Pinkham freely answers all letters of inquiry. Send for pamph-let. Address as above. Mention this Puper. No family should be without LYDIA E. PINKHAM'S

LIVER PILLS. They cure constipation, bilio and torpidity of the liver. 25 cents per box.

HOP BITTERS. (A Medicine, not a Drink.) CONTAINS

HOPS, BUCHU, MANDRAKE, AND THE PUREST AND BEST MEDICAL QUALI-THEY CURE All Diseases of the Stomach, Bowels, Blood,

\$1000 IN COLD. 4 Will be paid for a case they will not care or help, or for anything impure or injurious found in them. Ask your druggist for Hop Bitters and try them before you sleep. Take no other. D I. C. is an absolute and irresistible cure for Drunkenness, use of opium, tobacco and narcotics.

SEND FOR CIRCULAR. All above sold by druggists. Hop Bitters Mfg. Co., Rochester, N. Y., & Toronto, Ont.

THE MILD POWER CURES AS YOU WILL LEARN BY TRYING **HUMPHREY'S**

HOMEOPATHIC Veterinary Specifics, - FOR THE -NEW HORSE DISEASE

"PINK EYE." The Specifics A. A., C. C. and H. H. CURE EVERY TIME.

The medicine acts promptly, is given without any couble, and is curing hundreds daily. Full directions with each bottle. Sold by dealers generally SINGLE BOTTLES, - - CASES, with 10 bottles and book, Orders amounting to \$5 00 and upwards, sent free f express. Send for pamphlets, etc., free. Humphrey's Homeo. Med. Co.,

109 Fulton Street, New York. Detroit Agents: Farrand, Williams & Co., and ap5eowly



ASTHM Permanently

AsthmaRemedy ed as a positive and Cure for Dr.Stinson's Asthma Remedy Asthma and Dyspepsia, Asthma and Dyspepsia, and all their attendant evils. It does not merely afford temporary relief, but is a permanent cure, Mrs. B. F. Lee, of Belmore, O., says of it: "I am surprised at the speedy effects of your remedy. It is the first medicine in six years that has loosened my cough and made expectoration easy. I now steep all night without coughing." If your druggist does not keep it, send for treatise and testimonials to H. P. K. PECK & CO. S53 Broadway, New York.

Stearns, of Kalamazoo; a description of which has already appeared in the FARM
ER.

As will be seen by the letter of President

Wilder, in your issue of the 11th inst., this

One of the second of the 11th inst., this

AGENTS WANTED—For the best and fastest earlier of the second o

ADVERTISEMENTS.

THE BEST REMEDY Diseases of the Throat and Lungs



safe and saf

principles and curative virtues of the finest drugs, chemically unit ed, to insure the great est possible efficiency and uniformity of results, which renables physicians as well as invalids to use it with confidence. It is the most reliable remedy for diseases of the throat and lungs that science has produced. It strikes at the foundation of all pulmonary diseases, affording prompt and certain relief, and is adapted to patients of any age or either sex. Being prompt and certain relief, and is adapted to patients of any age or either sex. Being very palatable, the youngest children take it without difficulty. In the treatment of ordinary Coughs, Colds, Sore Throat, Bronchitis, Influenza, Clergyman's Sore Throat, Asthma, Croup, and Catarrh, the effects of Ayer's Cherry Pectoral are magical, and multitudes are annually preserved from serious illness by its timely and faithful use. It should be kept at hand in every household, for the protection it affords in sudden attacks. In Whooping-cough and Consumption there is no other remedy so efficacious, soothing, and helpful.

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Eminent physicians in all parts of the country, knowing its composition, recommend AYER'S CHERRY PECTORAL to invalids and prescribe it in their practice. The test of half a century has proved its absolute certainty to cure all pulmonary complaints not already beyond the reach of human aid

Prepared by Dr. J. C. Ayer & Co., Practical and Analytical Chemists, Lowell, Mass.

SOLD BY ALL DRUGGISTS EVERYWHERE. MORTGAGE FORECLOSURE.—

Mereas default has been made in the conditions of a certain mortgage bearing date the 31st day of July, A. D. 1877, executed by John Schwenk, and Margaret Schwenk, his wife, sometimes written Fanny Schwenk, of Detroit, Wayne County, Michigan, to Oswald Hesselbacher, of the same place, and recorded on the seventh day of August. A. D. 1877, at 10:50 o'clock A. M., in liber 140 of mortgages, on page 240, in the Register's office for Wayne County, Michigan, and, whereas there is claimed to be due at the date hereof the sum of \$1,011 \$4:100 (one thousand, eleven dollars and eighty-four cents), and no proceedings at law cr in equity having been instituted to recover the same or any part thereof: Notice is therefore hereby given, that by virtue of the power of sale in said mortgage contained, I will sell at public anction or vendue to the highest bidder on WEDNESDAY, THE NINTH DAY OF NOVEMBER, A. D. 1881, at eleven o'clock in the forenoon of said day, at the east front door of the City Hall, Detroit, that being the building wherein the Circuit Court for the County of Wayne is held, the premises in said mortgage mentioned and described as all of that certain piece or parcel of land lying and being situated in the City of Detroit, Wayne County, Michigan, known and described as all of that certain piece or parcel of land lying and being situated in the City of Detroit, Wayne County, Michigan, known and described as the westerly twenty-seven (27) feet of lot number seven (7), front and rear, by the entire depth, in block or section numbered twenty (20) of the St. Aubin farm, so-called. Said lot number seven being situated on the south side of Croghan Street, between St. Anbin Aram, she county, which side of Croghan Street, between St. Anbin Aram, so called. Said lot number seven ear of the south side of Croghan Street, between St. Anbin Aram, so called. Said lot number seven of (7), front and rear side of Croghan Street, between St. Anbin Aram, so called. Said lot number seven of the county, Michig MORTGAGE FORECLOSURE.

MORTGAGE SALE.—Default having been made in the condition of a certain mortgage made by James W. Ames and Mary Ames, his wife, all of the township of Hamtramck, Wayne County, Michigan, to Regina Waechter, of Detroit, Michigan, dated October 30th, A. D. 1879, and recorded in the effice of the Register of Deeds for the County of Wayne and State of Michigan, on the 1st day of November, A. D. 1879, in liber 151 of mortgages, on page 239, on which mortgage there is claimed to be due at the date of this notice the sum of two hundred and forty-eight dollars and eighty cents, and an attorney's fee of twenty-five dollars, provided for in said mortgage, and no suit or proceedings at law having been instituted to recover the moneys secured by said mortgage, or any part thereof; Now, therefore, by virtue of the power of sale contained in said mortgage, and the statute in such case made and provided, notice is hereby given that on Wednesday, the 28th day of October, A. D. 1881, at 12 o'clock noon, I shall sell at public auction to the highest bidder, at the front or easterly door of the City Hall, Woodward Avenue, in the City of Detroit (that being the place where the Circuit Court for Wayne County is holden), the premises described in said mortgage, or so much thereof as may be necessary to pay the amount due on said mortgage, with seven per centinterest, and all legal costs, together with an attorney's fee of twenty-five dollars, covenanted for therein, the premises being described in said mortgage as all that certain lot, piece and parcel of land situate in the township of Hamtramck, in the County of Wayne, aforesaid, and State of Michigan, and known and described as follows: The easterly twenty-five (25) feet by one hundred and six (100) feet in depth of lot numbered eight (8) of Whipple's subdivision of lots Nos. 28 and 27 of the Meldrum farm (so-called) in said township of Hamtramck, on the north side of Mack Street.

Dated Detroit, August 1, 1881.

CHAS. H. BORGMAN,

Attorney for Mortgagee. MORTGAGE SALE. Default having been

Attorney for Mortgagee.

STATE OF MICHIGAN.—In the Circuit Court for the County of Wayne, in chancery. At a session of the Circuit Court for the County of Wayne, in Chancery, held in the Circuit Court Room in the City Hall, in the City of Detroit, County of Wayne and State of Michigan, on the 17th day of September, A. D. 1881. Present, Hon. F. H. Chambers, Circuit Judge. Alsina M. Townsend, complainant, vs. William Henry Townsend defendant, Upon due proof by affidavit that William Henry Townsend, defendant in the above entitled cause pending in this court, resides out of the said State of Michigan and in the State of Illinois, and on motion of S. S. Babcock, solicitor for complainant, it is ordered that said defendant do appear and answer the bill of complaint filed in the said cause within four months from the date of this order, else the said bill of complaint shall be taken as confessed. And further that this order be published within twenty days from this date in the Michigan Farner, a newspaper printed in said County of Wayne, and be published therein once in each week for six weeks in succession. Such publication, however, shall not be necessary in case a copy of this order be served on said defendant personally, at least twenty days before the time herein prescribed for his appearance. Dated this 17th day of September, A. D. 1881.

F. H. CHAMBERS, Circuit Judge.

F. H. CHAMBERS, CHURCH OR.
A true copy:
Attest, ALBERT HOSMER, Deputy Register.
S. S. BABCOCK,
Solicitor for Complainant.

MORTGAGE FORECLOSURE. - Whereas MORTGAGE FORECLOSURE. — Whereas default has been made in the conditions of a certain mortgage bearing date the 6th day of April, A. D. 1876, executed by Ann Keveny, of Hamtramck, Wayne County, Michigan, to Peter Dufle, of Warren, Macomb County, Michigan, and recorded on the 6th day of April, A. D. 1876, at 3:38 o'clock, P. M., in liber 181 of mortgages, on page 456, in the Register's office for Wayne County, Michigan; and there being claimed to be due at the date hereof, the sum of two hundred, twenty-nine dollars and 33-100, (\$229 33-100), and no proceedings at law or in equity having been instituted to recover the same or any part thereof. Notice is therefore hereby given, that by virtue of the power of sale in said mortgage contained, I will sell at public ancion or vendue to the highest bidder, on WEDNESDAY, the TWEFTY-FIRST DAY OF DECEMBER, A. D. 1881, at 11 o'clock in the forenoon of the said day, at the east front door of the City Hall, Detroit, that being the building wherein the Circuit Court for the County of Wayne is held, the premises in said mortgage mentioned and described as lot numbered "C," being ten (10) acres of land, more or less, of the subdivision of the East half of the Sonthwest quarter of section three (3), in town one (1), Sonth of range twelve (12), East, in Wayne County, Michigan, according to the plat made by the Comrissioners in partition in Jeremish Keveney estate and on file in the Probate Court for Wayne County, Michigan, to satisfy the amount due at the date hereof, the interest accruing, the costs and expenses allowed by law, besides an attorney fee of thirty dollars (\$30), in said mortgage provided for in case of a foreclosure.

Dated Detroit, this 24th day of September, A. B. 1881.

PETER DUFLO,

MICHIGANFARMER

-AND-State Journal of Agriculture.

A Weekly Newspaper devoted to the industria ing interests of Michigan.

JOHNSTONE & GIBBONS, Publishers.

Terms, in Advance. subscriptions......\$1 65 per year

OFFICE OF PUBLICATION: 44 Larned Street West, (Tribune Co's. Building,) Detroit.

* Subscribers remitting money to this office would confer a favor by having their letters register d, or procuring a money order, otherwise we can not be responsible for the money.



State Journal of Agriculture.

DETROIT, TUESDAY, OCT. 25, 1881.

MR. P. W. RYAN is the authorized subscription agent of the MICHIGAN FARMER, and parties can pay money to him at our

WHEAT.

The receipts of wheat in this market the past week have been 91,499 bu, while the shipments were 161,928 bu. The visible supply of this grain on Oct. 15 was 20,586,272 bu. against 15,764,158 bu. at the corresponding date in 1880. This shows an increase in the amount in sight the previous week of 416,425 bu. The deliveries at seaboard ports for the week were 1,572,-976 bu, against 1,589,768 bu the previous week, and 3,540,719 bu the corresponding week in 1880. The export clearances for Europe for the week were 1.815,542 bu, against 1.462.454 bu the previous weeks and for the last eight weeks 14,218,492 bu, against 29,843,761 bu for the corresponding eight weeks last year. The stocks of wheat in this city on Saturday last footed up 842,312 bu., against 487,241 bu at the cor-

responding date in 1880. The market for spot wheat has fluctuat ed considerably during the week, the firmness that characterized it at the opening being lost, and a gradual decline being noted each day until Thursday, when No. 1 white closed at \$1 367, No. 2 do at \$1 341, and No. 2 red at \$1 401 Friday there was a slight advance, and this was followed by a further advance on Saturday, the market closing firm at \$1 391 for No. 1 white, and \$1 421 for No. 2 red.

Yesterday the market opened dull but at slightly higher prices. Reports from other markets, however, being unfavorable, the advance was lost, and prices declined, closing &c below those of Saturday.

The following table exhibits the daily closing prices of wheat from October 1 to October 24:

	White	No. 1 white	No. 2 white	No. 2 red.
Oct. 1	0 00	1 433%	1 40%	1 465
3		1 4516	1 42	1 49
4 4		1 4384	1 41	1 4814
66 5	0 00	1 43	1 4616	1 4734
" G	0 00	1 4316	1 411/4	1 481/4
" 7	0 00	1 41	1 3934	1 47
4. 8	0 00	1 40	1 37	1 45
44 10	0 00	1 411/4	1 3816	1 46%
* 11	0 00	1 39	0 00	1 44
* 12	0 00	1 38	1 36	1 42
" 13	0 00	1 36	1 341/4	1 41
* 14	0 00	1 38	******	1 42
44 15	0 00	1 3834	1 36	1 42
* 17	0 00	1 38%	1 361/9	1 42
* 18	0 00	1 3816	1 36	1 42
4 19	0 00	1 38	0 00	0 00
66 20	0 00	1 3676	1 3416	1 4016
6. 21	0 00	1 3714	1 3412	1 4016
44 22	0 00	1 3914		1 421/4
** ***	0 00	4 9447	0.00	4 4197

The transactions in cash wheat for the week amounted to 223 carloads, and in futures to 1,819,000 bushels, a decided falling off from those of the previous

Trading in futures, to which business in wheat is mostly confined at present, has dropped off, the market not being in a to condition tempt outsiders to take a hand in. The fact is there is an unsettled feeling as to the future that is shown in the sharp drops and spurts noted each day, and until values become more settled busi-

The following statement shows the prices of futures on yesterday, as compared with those of Monday of last week:

those of blonday of his wook.	
Oct. 24.	Oct. 17
November 1 3834	1 393
December 1 413%	1 427
January 1 441/4	1 46
February 1 471/4	1 487
Yesterday the market was again	a frac

tion lower.

There is nothing new in the outlook The rains in the Northwest noted in our last have continued, and wheat, where it has been exposed, is badly damaged. This is especially so in Minnesota and Wisconsin. Bradstreets's, in its last issue, publishes a summary of the last crop, from which it appears the total yield is 368,962,000 bu. against 480,000,000 in 1881, a loss of 111, 038,000 bushels. Since these estimates were made the heavy rains have made a decided difference in the wheat crop of at

least three of the Northeastern States. In Europe the situation is unchanged. Wheat is held firmly, but relatively lower than here. Reports from Servia, Rouma nia, Moldavia and Wallachia state that the crop in those countries is very light, and in some places a complete failure.

The following table will show the price of wheat and flour in the Liverpool market on Saturday last, as compared with those

of one week previous:	ct. 1	5.	Oct.	22	
Flour, extra State14s.	. 9	d	148.	9	d
Wheat, No. 1 white 118		d	118.	0	d
de No. 2 spring10s.	. 8	d	10s.	7	d
do winter new Western11s.	2	d	118.	2	d
Corn, mixed old 6s.		d	6s.	03	6d

CORN AND OATS.

The receipts of corn here the past week amounted to 19,282 bu, and the shipments were 10,333 bu. The visible supply in the country on Oct. 15 amounted to 28,682,059 against 15,500,389 bu. for the corresponding eight weeks in 1880. There has been a steady market all week at unchanged prices, the demand being sufficient to take all that came forward. For No. 1 mixed 66c per bu is paid, and for high mix its issue of Saturday last:

heavy rains are expected to result in a vast | the price asked on fancy creamery take quantity of soft corn throughout the corn belt in Illinois and Iowa, and if hard frosts should follow them the loss from the water-soaked corn would be very heavy. In fact the damage may prove nearly as large as from the drouth. That such a result is feared is seen in the stronger market that prevailed in Chicago on Saturday. In that market prices are quoted as follows: Spot, 624 to 64c; November, 631 to 64c; December, 663-4. The English markets are reported firmer at 5s 111d, against 6s one

week ago. Oats were received here the past week to the amount of 32,661 bu, and the shipments were 4,579 bu. The visible supply of this grain in the country on Oct. 15 was 4,760,412 bu, against 4,158,725 bu, at the corresponding date last year. Oats have been steady and firm all week at a slight advance in prices. No. 1 white are quoted at 48c per bu, No. 2 white at 47 to 47½c, and No. 1 mixed at 46½c. The Chicago market is quoted firm at 4334 to 44c for cash, $44\frac{7}{5}$ to $45\frac{1}{5}$ c for November, $47\frac{1}{2}$ to $47\frac{1}{4}$ for December. The prospect is favorable for a firm and steady market.

HOPS AND BARLEY.

There is a strong market for hops, and as the supply coming forward is rather limited, prices are held very firm. Dealers are offering 23 to 25c per lb. for good to choice State, and in second hands they are selling at 25 to 28c per lb. We learn of one grower who has sold a part of his crop at 29c, and decided to hold the balance little longer. One large dealer in this city, who scented the advance in prices, and went out and bought all he could reach, now talks of 35 to 40c per lb. as the prices likely to rule before the holidays. But this must be taken with a grain of allowance, Anyway he has made a good thing on hops this season, and some of those who sold to him early, are probably a little disgusted with the shrewdness he showed in taking advantage of the sudden rise in prices. The New York market is quieter, and the advance has been so heavy as to drive exporters out of the market. The

N. Y. Commercial Bulletin says: "The market is not very lively a present. In fact, there is comparatively little movement beyond that in the shape of deliveries on previous orders and no export demand to indicate that any thing short of the most absolute dearth of stock will induce English buyers to pay over 25 dent of more activity soon, but for the time being buyers are not very numerous

nor anxious about further supplies.' A Waterville, N. Y., correspondent of the

Utica Herald says: "The 'coveted 30c,' that was spoken of in last week's report has been freely offered to the Waterville grower to-day. About 100 bales—the lots of Thomas Roberts and Mr Bassett of Marshall-have been sold to day for that figure. But, it is no easier to buy an absolute first class hop at 30c from our growers in general to-day, than it was last week at 25c. The shipping necessitie and the actual shortage and pressing need of the house brewers combine to make the growers realize that this is their year, and they seem determined to make the best of

Emmett Wells, in his circular, says: "While the receipts show an increase of a thousand bales over last week, there have been some 800 bales less taken for export Prices remain steady at late quotations being the extreme cash figure paid on the market for a choice article. In the interior growers are all asking 30c., but buyers are not quite ready to pay this price; they pre-fer to wait a little and see the result of late chipments to London. A few more German hops have arrived here this week, but market for them, and our growers need have no fear of serious competition from this source. We notice a reporter for a New York daily, from which some of our exchanges quote, gives 32c. as the price paid here for choice hops; we will venture o say that this figures is only paid 'in his

Quotations in that market on Saturday

1.	. CT C COD	AUALU III					
	Y. Stat	e, crop o	f 1881	, choice.		30	@
	do	do	do	good to	prime	26	@28
ı	do	do	do	fair tog	good	22	@25
	do	CTOD (of 188		to prime		@23
	do	do			fair		@15
	do	old old				7	@15
F	astern, c					22	@30
	Visconsin		o-,	do		22	@30

Barley was received here the past week to the amount of 14,660 bu, and the shipments were 13,187 bu. The visible supply of this grain in the country Oct. 15 was 2,506,187 bu. against 2,003,435 bu. at the corresponding date in 1880. The market is quiet, buyers are not inclined to take hold except at concessions in prices which holders are not at all inclined to grant. Quotations still rule at \$2 10 to 2 25 per cental for good to choice samples of State. Canadian of good quality brings about 5c per cental over those figures. In Chicago the market declined during the week, and No. 2 spot is quoted there at \$1 06 per bu. against \$1 06 ½ one week ago. No. 3 at 93½c. There is nothing new to report in the outlook for this grain. It is undoubtedly affected by the weak feeling in other grains, and would be very apt to follow any reaction in them. As it is, we think those who have secured what supplies they need, even at as high rates as those now ruling, will be considered lucky before the season is over.

DAIRY PRODUCTS.

The receipts of butter in this market the past week were 28,241 lbs. and the shipnents were 7,532 lbs. There is no change to note in the position of the market, the supply of choice butter being small and commanding the same price as a week ago namely, 27 to 28c per lb. The bulk of the receipts are of inferior quality, and for such there is little demand and a dull mar ket. Consumers are paying from 32 to 35c per lb. for butter, and the high price makes them particular as to quality and cuts down consumption. The pastures are in excellent condition, and the butter made now will probably be of higher quality than that made earlier. The improve pasturage has been a great boon to both dairy and stock men. In Chicago butter bu, against 20,265,011 bu at the same date is very firm, but with no change in quota last year. The exports for Europe for the tions. Choice creamery is quoted at 33 to past eight weeks were 7,345,956 bu., 35c per lb; fair to good do at 30 to 32c choice dairy at 27 to 30c; and fair to good dairy at 22 to 26c. In New York choice State creamery is quoted at 36c per lb.,

and fair to good at 32 to 35c. The N. Y. Commercial Bulletin says, in

ed 67c. Rejected sells at 65c. The recent "The few buyers who are willing to pay

their usual proportion and find enough available, while of creamery just a little off perfection there is more than can be placed especially of Western, and the tone is slack. There is a good demand for strict ly fancy June creamery and gilt-edge Dela-ware dairies, and at full rates, but not many offering, and most of the sales are made about 1c below outside quotations A portion of the demand for these latter grades is from the Eastward. Choice Western imitation creamery, dairy or fac-tory would receive fair attention, but there is scarcely any coming in, and for the offering made the bids range low."

Quotations for Western in that market are as follows:

The receipts of cheese in this market the past week were 5,570 lbs., and the ship ments were nothing. The market has ruled steady and firm since our last report, and 14 to 14½c per lb still remain the quotations for choice full cream stock. In Chicago the market is dull and weak; full creams quoted there at 12 to 121c per lb, choice part skim Chedder at 111 to 112c, and common to good part skims at 8 to 10c. In New York the quotations are 12 to 13c for choice State factory, 11 to 111c prime do, and 101 to 102c for fair to good do. Prime Wisconsin is quoted at 11 to 12c; fine Ohio Chedder at 111c, and best Ohio flats at 12 to 121c. The N. Y. Com-

mercial Bulletin, in its review of the mar-

ket on Saturday, said: "The public cable quotations were weak ening in character, and private accounts from Liverpool, Glasgow, etc., in the old, dismal strain, kept shippers in a most cidedly cautious mood. The home trade too, has assumed a somewhat modified form, and, while still affording a fair outlet for strictly fancy full cream factory and choice slightly skimmed creameries, buyers were evidently moving with great caution, and confining themselves more closely to the immediate and positive wants of the moment. Indeed, of the last named quality the accumulation commences to show a pretty full proportion. During vesterday afternoon and to-day the inquiry for the choice and fancy parcels of cheese has been somewhat better from shippers, with every prospect that the best lots will be about all taken up, and the form of sales will warrant the restoration of 13c, though only as an extreme and exceptional rate where no fault can be found with the quality. In short, the market closes with newhat more cheerful tone over perfect cheese than for some time past, but without positive buoyancy or an indication that more stock could have been placed

The quotations in Liverpool on Saturday were 58s., the same as reported one week previous, with a dull market.

this week.

WOOL.

The Eastern wool markets have shown more activity the past week, and although no advance is noted in prices, outside figures are more readily obtained by holders. The wool in first and second hands in the various States is held very firmly, and at relatively higher prices than prevail in either New York, Boston or Philadelphia. The foreign markets, both British and Continental, show continued firmness. The Boston market showed considerable activity the past week, sales footing up 1,857,760 lbs domestic, and 639,800 lbs of foreign. Prices there were 42 to 42½c per lb for Michigan and Wisconsin X, 46c for No. 1 Michigan, 48 to 50c for No. 1 Ohio, and 45c for XX Ohio. The demand is strongest for the better qualities of clothing and combing fleece. The Boston Bulletin says: of a commission to thoroug

fine fleeces here this week at full previous rates, and it is easier to get 45c for XX Ohio to-day than a week ago. Sales of Michigan and Wisconsin X have been made at 42 to 42½c. Some very choice No. 1 fleeces have sold up to 50c, and one or two lots of choice super-pulled have also brought that figure. It is evident that the mills continue to prefer the finer and betdium unwashed wools, Lowever, continue to be confidently held, in the belief that they will all be wauted as soon as the stocks of fine fleeces become further reduced. Low and cheap wools continue neg cted, and the primary markets for fall California are in rather a demoralized con-Holders of the wool in San Fran cisco and in the country districts cannot realize within 3 to 4c per lb for the cost of

their merchandise. "Holders of the better grades of wool in Ohio, Indiana, and other States are also cherishing views above the parity of this market. One large lot of Indiana unwashed is held at home at 31c, and an Ohio buyer has asked 421 for a lot of X and above

in Ohio this week." Some American manufacturers have sent orders to Australia, but as yet but little wool suited to their wants had been offered up to latest advices. These orders have been sent in anticipation of an advance of

prices in this country. The mills are having an active demand for woolens, and some are said to already have all their product for the season contracted for. The trade in woolens is helped by the firmness in cotton goods, which are being advanced on account of the short crop of cotton. The prospects are excellent for a firm market for wool all the sea-

As was to be expected, the early sowing fine opportunity to work in it, and the following report from Indiana shows that the chance has not been neglected: The report is from a Toledo firm. "We were shown yesterday a sample of the growing wheat plant from Auglaize county, and to-day samples and letters from Rochester, Ind The samples show the presence of a deadly enemy at the root, which is said to be the germ of the Hessian fly. There are hundreds of them inside the stalks, at the roots, eating away the life. The letters say that farmers in each of the vicinities above mentioned and in adjoining counties

are plowing and resowing the fields." recting extensive works near the River Rouge for manufacturing superphosphate, have now three large buildings completed and are at work on a fourth. The factory building is 123 by 160 feet, all in one room. It is three stories in height, and a large store-house is located near by and a mill 30 by 40 feet has also been put up. The building alone will cost over \$100,000, and will make one of the most complete factories in the country.

THE DRIVE WELL ROYALTY.

A man named N. W. Greene, who appears to very different from what his name would lead one to suppose, has a patent on what are known as drive wells. He has been traveling through the Eastern States, collecting sums ranging from \$5 to \$100 each from farmers who are using such wells. He has now commenced operations in this State, and lately brought test case before Judge Withey of the U. 5. District Court at Grand Rapids. The Judge has given the case a preliminary hearing, and the Grand Haven Herald gives the following extract fron the ruling of the Judge:

"If he (Green) owns this patent he owns roperty in which of course he is deemed be have rights; and among these rights is he exclusive control of the patent, its use and manufacture. He has as complete a right to the control of this patent, in every respect, if it is his and his established right, as he would have to a horse in his own barn or hitched to his own buggy which he is driving."

Judge Withey further said, in speaking of the defendants:

"My own judgment, however, is that in the end they will all pay the royalty. That the courts have without one exception so far sustained the patent, and in every case that has been tried the parties have responded in cost and damage

The injunction asked for was not granted by the judge, however, but he allowed the defendents thirty days in which to present evidence that there had been no infringement of the Green patent. From the foregoing it is apparent that unless new evidence is forthcoming, these suits will be decided in favor of Green, and many hundred farmers in this and adjoining States will be compelled to pay tribute to him.

The farmers in New York State are combining to make a fight against what they believe to be a most unrighteous exaction. The farmers in this State are also moving in the same direction, and we are pleased to note that the Executive Committee of the State Grange, which was in session in Lansing last week, decided to make an organized resistance against this legalized robbery. We believe Green to be no more entitled to collect such a oyalty than we are, as the system of drive vells was known before he ever had a patent for it. But belief is nothing without substantial evidence, and it behooves every person interested to look around for any evidence that will help controvert this

NATIONAL TARIFF CONVENTION. A call has been issued for a national tariff convention to be held at the Cooper Institute in the city of New York, on Tuesdays of November. The purpose of this convention is to consider and recommend such Congressional action as will promote domestic and foreign commerce, and afford adequate protection to American industry. In the allotment of delegates, the Michigan Sheep Breeders' and Wool Growers' Association is entitled to five, and the Michigan Merino Sheep Breeders' Association to five also. The sheep breeders and wool growers of Vermont, New York, Illinois and Wisconsin are also to be represented by an equal number of delegates from each State. The convention will be an important one, and the sheep breeders and wool growers of Michigan should see that they are represented at its sessions. Among the questions to be considered are the appointment and report upon the progress, condition complaint. Hence the citizens of this and needs of American industries, and to State, upon whom his claims, were entitled recommend such legislation as will be pro- to first consideration, were obliged to protective in character, consistent in all its vide for him in addition to what they were parts, and adapted to the present wants of doing for the great city of Chicago, the the country; to consider the policy of an commercial center of the richest of the early and progressive reduction of internal | Western States. Now, so far as Michigan taxes by the general government, and to is concerned, the people of Chicago are suggest methods for the maintainance of a absolved from contributing in the slightest favorable balance of trade, and the enlarge- degree to the relief of those who are sufferment of markets for American products by the promotion of our ship building interest and foreign commerce. Our wool growers should take such action as will result in proper representation of this important nterest. Full particulars as to the conrention can be learned by addressing Mr. Marcus Hanlon, Secretary, No. 305 Broad way, New York.

THE celebration of the capture of Cornvallis at Yorktown has ended, and the little Virginia village is deserted by the thousands who were in attendance at the ceremonies last week. The programme could not be carried out in full, and some say the celebration was a failure. But considering the large crowd present, and the lack of accommodations in such a place as Yorktown, the celebration was probadly as successful as could reasonably have been anticipated. The representatives of the French, German and British governments were highly pleased with the manner in which they were treated. The descendants of a number of the French and Germans who bore arms in that struggle were enthusiastically received. President Arthur's address was brief but very happy, and he was warmly applauded. Generals of fall wheat has given the Hessian fly a Hancock, Sherman, and a number of ex-Confederate generals were present, and the best of feeling prevailed during the ceremonies. Michigan's Governor and staff, and the battalion of troops present, repre sented the State very creditably.

LAST week 500 girls employed in Lorillard's tobacco factory at Jersey City, quit work, and have published a card giving their reasons for such action. They state that their condition in the factory had become worse than negro slavery in the South. They frequently had a day's wages taken from them for simply looking away from their work while the foreman passed, They were required to work from 7 o'clock THE Michigan Carbon Works, who are in the morning till 9 at night, and if they were caught eating anything at their work, or saying "good morning" to a companon, in the hearing of the foreman, a de duction was made from their wages at the end of the week. If these statements are true, and they probably are, the Lorillards, who are spending hundreds of thousands of dollars upon horse-racing and yachting, which they have wrung out of the necessities and privations of their unfortunate work-people, deserve to be held up to door.

pu'lic execration and contempt. They are unworthy to be classed as American citizens. Some of the sympathy that is being so liberally expended upon the sufferings of the people of Ireland might find equally as worthy objects among those who are unfortunate enough to be compelled to work for these millionaire tobacconists.

The English Grain Markets.

The Mark Lane Express of yesterday, in its review of the English grain trade,

"There has been good progress in sow ing, the conditions remaining very favorable. A serious proportion of the potato crop in Scotland was discovered to be unwhich will make necessary an increased consumption of bread. Provinci exchanges at the close of the week showed rather less depression than in Mark Lar Friday, when the best samples of wheat were only saleable at a reduction from Mon day's rates. The supply continues liberal Country flour is continually weaker. For eign breadstuffs have been depressed since Monday. There was a very feeble demand; factors are compelled to submit to the concessions up to one shilling in order to effect sales. Liverpool and most coas markets cheaper for foreign wheats. It noteworthy that this latent depression i trade occurred simultaneously with the substantial increase in the floating supply Arrivals in London 43,072 quarters, all red wheat except 10,015 qrs. from Calcutta. There was a very moderate supply of foreign flour in London during the week, namely 15,365 sacks, of which two thirds was from the United States and the remainder from Canada and the Continent The values in London were generally maintained. American barrel flour wa quite out of market. Maize was decidedly Mixed American was freely cheaper. Mixed American was freely offered in London Friday at 29s, ex-ship showing a decline of 1s since Monday. Oats were dull, unchanged; arrivals, smal Barley and peas cheaper. Thirteen wheat cargoes are reported arrived up to Friday, of which eight sold. Fifty-four shillings 6d was paid Thursday for red winter.' THE Chicago Tribune has been busy

the past two weeks apologizing for the singular course that citizens of that place have generally pursued in refer ence to the fire sufferers in the Huron Peninsula. As these apologies are wholly gratuitous, and evidently only published by the Tribune and its correspondents as a balm for uneasy consciences, we submit that they should at least confine themselves to the truth. In their efforts to excuse themselves there is no necessity for falsifying the extent of the damage or the dire necessities of those who have suffered from the disaster. They have also, with an exhibition of maliciousness, pointed out that when a part of Chicago was reduced to ashes, Michigan only contributed \$38,000 in cash towards the relief of the sufferers; but forget to state that this amount was sent day and Wednesday, the 29th and 30th at a time when forest fires were sweeping through half a dozen counties in this State, reducing hundreds of families to absolute beggary, and leaving them entirely dependent upon the charitable. It was a time, too, when the people of the whole country were so generally engaged in relieving the distressed people of that city that all other points were neglected except by the States in which they were situated. As usual, Chicago understood the art of advertising, and the sufferings of her people were published in every corner of the habitable globe, and the charitable responded with unheard of generosity in the emergency. The backwoods settler in Michigan did not understand the business of publishing his woes to a sympathizing world, upon whom he was not aware he had any claims, and ing from the results of the disaster which has so suddenly overwhelmed some of its citizens. The section in which they live is not tributary to Chicago and the people of that enterprising place as a rule never pay out a cent in charity except when they know it will prove a good investment. Had the fire occured in Western Michigan the charity of Chicago would have been abundant and overflowing (on strictly business principles), but there is nothing to be made in sending contributions to the Eastern part of the State. The business men of Chicago are willing to lend to the Lord, but the return on the investment must be ertain and the percentage large. The charity that comes from a mere desire to relieve the suffering has little foothold among them. It is business with them,

According to semi-official figures, compiled for the New Orleans Picayune, the sugar crop of the year ending September 1, 1881, was the largest raised in Louisiana since the war. The total pounds of sugar are given at 272,255,899, and gallons of molasses, 15,255,030. About one-third of the total product of sugar comes from the vacuum pan. The substitution of the most approved methods of handling the juice has been steadily going on. The percentage of open kettle sugar is consequently decreasing. Producers are learning the wants of the commercial world, and apreciating the fact that the better the goods the better the price. As far as manufac-ture has determined this year, the crop now being harvested is one-third less than was larger than ever, and this year it is still greater.

JAY GOULD controls 11,714 miles of rail road whose value, added to the estimated value of other enterprises he controls, i placed at \$616,500,000. This is probably the largest amount of capital swayed anywhere by any one man; but the fortune which gives Gould power over it is well below the fortune of one man in this country, W. H. Vanderbilt, and half a dozen men abroad.

America, was lately murdered by a new and ingenious use of dynamite. The charge was placed in the large lock of his store door, with the exploder arranged to be set off by the door key. He was instantly killed on attempting to unlock the

THE cotton seed oil mills that are rapidly eing put in operation in the South, are creating no little stir and discussion as to their effect upon the agricultural interests of the country. This is a comparatively new industry, and we already find that no less that 120,000 tons of oil cake, or cotton seed meal, have but recently been shipped abroad, not counting the supply sold and consumed in non-cotton producing sections of our own country.

THE executive committee of the State Grange was in session in Lansing last week. Among other business transacted was the perfecting of a contract for another year with Day & Taylor for a supply of plaster. It was also decided to make an organized resistance to the claims of N. W. Green, the party who is attempting to collect royalty drive wells. The State Grange is to meet in Lansing on December 13 to 16 inclusive.

NEWS SUMMARY.

Zlichigan.

A manufacturing company with \$50,000 capital has been formed at Monroe. Hon. Bela Cogshall, of Holly, died at that

place on the 21st inst., aged 65 years. Albion Republican: Forty-six spring lambs, Merino grades, were sold last week by Emery for \$6 each. Prof. Moses Coit Tyler, late of Michigan University, was ordained a clergyman of the Episcopal Church recently.

Battle Creek Tribune: Frank Fuller, a carpenter here, dropped dead on the street, of heart disease, on the 19th.

Pontiac Gazette: E. Phelps, of this city, shipped his imported Holstein heifer Mae to the Agricultural College last week.

Parties from Troy, N. Y., are going to build \$10,000 hotel at Petoskey, and have also eased the park adjoining the site.

According to the Register, Ann Arbor looks forward with pleasurable anticipation to a dog fight for \$500 a side next month.

Mrs. John Goodsell of Amsden took a dose of sulphate of zinc last week, in mistake fo Epsom salts, and died from its effects. Port Huron is shortly to be blessed with

line of Herdic coaches. The lone and erratic street car will soon be a thing of the past. The Evart Review feels that that village is losing in importance, as there has not been a burglary of any moment there in two weeks Wm. Richard, for 40 years connected with the business interests of Tecumseh, and for a long time editor of the Tecumseh Herald, is dead.

O. F. Pease, of Grass Lake, lost 19 thorough bred sheep by the burning of the shed in which they were kept. The shed was set on on fire. Geo. Shinn, just promoted to the conduct

orship of a freight train on the Central, fell between the cars at Lake Station, and both his legs were cut off.

Twenty-four sheep belonging to M. Cooley, of Manchester, Washtenaw County, were killed by dogs, belonging to two neighbors, who have just paid \$90 damages. South Haven Sentinel: A. A. Fowler sold 9,560 pounds of grapes from half an acre of land, and estimates that what was sold and given away would swell the crop to five tons.

was found dead in a field with the box of th wagon in which he had been riding across his neck; the team he drove was found five miles Charlotte Republican: The Curtis-Barnard prosecution moved for continuance, which was granted, and the date is now fixed for Nov. 21st.

A son of Mr. O. W. Lewis, of Port Sanilac,

Flint Globe: Two firms here have bought and pressed 1,750 tons of hay this season, and the value of the surplus hay crop of this country may be estimated at not less than

Saginaw Herald: The engineer in Hardin's mill accidentally allowed escaping steam to badly scald a ten year old boy who stood by. He was severely burned, but it is hoped he

Enormous quantities of celery have been ed marsh land in that vicinity having been found admirably adapted to the growth of this vegetable.

Saginaw Herald: The public schools in Zilwaukee have been closed owing to the prevalence of diphtheria. There has been nearly 100 cases reported of this dread disease in the village.

The Prosecuting Attorney of Muskegon County is said to be in sympathy with the striking lumbermen, and has been requested to resign by the Board of Supervisors, which, however, he declines to do.

The Adrian Record, under pressure of a libel suit for untold wealth, backs down administers in addition a large dose of of taffy.

Portland Observer: The farmers of South Danby complain that the corn worm is destroying the ripe corn which is now unhusked, and that the grain not housed is growing in the field by reason of the continued rains.

The Saginaw Herald says Kochville seceded because Saginaw would not build her bridges and roads, and that now the Bay City Press advises the citizens to go right to work and fix up the highways at their own expense. Monroe Commercial; The boiler in J. M Loose's dry house was damaged by some mis

chievous person, one night last week, part of the fixtures of the piston rod being broken off and carried away. Work was stopped for Ann Arbor Register: Gen. G. D. Hill, form erly a well known resident of Ann Arbor, died at Yankton, Dakota, recently. He built the Opera House block, which still bears his Opera House block, which still bears his name, though it passed out of his hands soon

after its completion. The Husbandmen's Club of Kalamazoo County, have passed a resolution in favor of combining with other organizations against the claims of royalty on drive wells under the Green patent. D. T. Dell is president, and

Wm. Strong secretary of this club. Coldwater Republican: Henry Shear, of Quincy, was set upon by a vicious cow Tues lay while at work for a farmer in Allen town ship, and suffered dislocation of the spine between the seventh and eighth vertebra. At last accounts he was alive, but entirely paralyzed below the injury.

Don't buy any borses of strangers. Farmers in several places in the State have been victimized by a sharper, who sells an animal at a low price, and in a day or two along comes another party who claims the horse was stolen from him and threatens to prosecute or else claims the beast. Kalamazoo Gazette: The Tecumseh man who invented the Wolverine hog ringer, manufactured at that village, has recently

nvented a machine for making these service able snout attachments. He is a universal genius and it is not improbable that he may next invent a hog that don't need ringing. G. S. Swift, of Clarkston, was robbed of \$1,485 by one of his boarders named Dennison, who on being arrested and convinced that circumstantial evidence was decidedly against him, confessed the theft, and restored \$1,285,

aying he had given \$200 to a friend, who o ection, he had burned the money. Monroe Commercial: Two hundred and forty tons of grapes were shipped by three firms of this city and this does not include any of the fruit from the extensive vineyards at Pointe au Peaux, nor the thousands of pounds shipped by owners of vineyards or used in wine making. These grapes were shipped both by freight and by express to all

points of the compass Henry Howland, living near Paw Paw, c to that city and surrendered himself to the Sheriff, saying he had killed his father. The father had been drinking and attacked the son, cutting him in a number of places with a large pocket knife. The son being unable to release himself, fired off his revolver, the

first time intentionally amiss, the second with fatal effect. Henry Howland had the reputation of a temperate and exemplary young

Battle Creek Tribune: The wedding of Stewart Hinchman with a young lady of Bedford was to have taken place last week Tuesday, and the guests appeared at the appointed time, but no bridegroom came, and the friends were told that the evening previous the young man had came to the conclusion he did not love the girl well enough to marry her, and had told the lady of the house of his intention to back out. Let us hope that the intention to back out. Let us hope that the tables may be turned some day.

Adrian Times: At a family reunion at the house of W. C. Hulett, on the 18th inst, a cake was cut which was baked 25 years ago. This was in accordance with a Welch custom which dictates the making of a cake by the parents of a child at the time of marriage, which is then sealed up and preserved until the first child has attained his majority. The cake baked at the marriage of Mr. and Mrs. Hulett was cut upon the coming of age of their son Chester, and was found to be well preserved, though a letter enclosed in it was unreadable.

General News.

Mrs. Garfield is to publish a life of the late

Gen. Longstreet's friends are urging him

The compliments paid to the British flag mave greatly pleased that government.

The Rev. Abijah Green, Presbyterian, was suffocated by gas in New York last week. Vernor predicts a warm winter, but he nay mean for the region under Four men were killed in a coal mine last week near Elizabeth, N. J., by a fire damp

explosion. Three men following an Indian trail re-cently near the Natchet Mountains, Arizona, were killed by them.

Guiteau's counsel has been allowed suf-

ficient funds to pay the cost of witnesses needed by the defense. The Malley brothers have been bound over for trial on a charge of murdering Jennie Cramer. Bail was refused.

One hundred and thirty Jews in a destitute condition arrived last week from Russia. They were sent to Cincinnati.

The house of J. McCarthy at Cook's Corners. N. Y., was burned last week, and four of his

Last Thursday the residence of N. Jelleitch. near Jackson, Cal., burned, and himself, wife and two small children perished in the flames. Secretary Windom has issued a circular proposing to redeem \$19,000,000 of bonds out-standing on last call with interest to De-

Thurlow Weed registered his vote in New York last week and intends casting his sixty second vote in that State. He is now 8 years of age.

Herbert Thiers, of Kenosha, Wis., disappeared last week, and now some \$40,000 of lorged paper has came to light. He was a ominent citizen. President Arthur and cabinet got back to

Washington from Yorktown on Friday, and nembers of the Senate on Thursday. The enate is now in session. Thos. Branch & Co., Richmond bankers have bought up \$1.000,000 worth of Confed

have bought up \$1,000,000 worth of Confederate bonds, and a lively business in the same paper is reported all over the South. The Michigan relief fund of New York now amounts to \$107,972. Chicago's amounts to \$000,038 00. Chicago always keeps ahead—if you let her citizens tell the story.

Mr. Windom, present Secretary of the Treasury, has been elected Senator from Minnesota by the Republicans, and has sent in his resignation as a member of the cabinet. A number of iron workers were brought from the east recently to take the place of strikers at Cincinnati, but they were induced, after working one day, to quit and go back

ast again. Reports from British Columbia say the con dition of the crops is terrible. Not one-fourth can be marketed. The wheat and barley are frozen in the ground as they stand. No such season has been known before.

It has been semi-officially announced that the Marquis of Lorne will return to England from Canada next January. Chief-Justice Richie will be Acting Governor-General of Canada, in the absence of the Marquis.

Henry Pope, of Leadville, has been arrested for an attempt to salt 97 tons of ore ich he was selling to the St. Lo ing Company. He was caught in the act by Manager Laker, by which \$295,000 were saved.

River have closed for the season, and 2,500 Canadians who were employed in them have returned to their homes. During the season 500,000,000 bricks were manufactured in these yards.

Some sixty brickvards along the Hudson

Four men robbed the bank of Park & Sonat Fieldon, last week, by presenting a pistol at the head of Park and compelling him to unlock the safe. They took \$3,500, and got away with it. They were identified as Chas. Clay and John Burras. Criminal prosecutions have been begun gainst the owner of the Randolph mills Philadelphia, for not providing the building with fire escapes. This was the mill in which a number of the employes were burned to death about two weeks ago.

A fight between two bull dogs for \$5,000 a side took place at New Albany, Ind., last week. The fight lasted an hour and a half, during which the dogs tore each other fright fully, when one of them died, and the other was declared the victor. New Albany wants

The Sny levee has broken at a point seven miles below East Hannibal and a great destruction of property is feared. The Mississippi is eight miles wide opposite Burlington. If the rains continue there will be a serious time along the river, and residents are preparing for trouble. are preparing for trouble. Director of the Mint Burchard some time ago made serious charges against La Grange, superintendent of the San Francisco mint, but after investigation La Grange was re

tained. Now he and his friends bring seriou

charges against Burchard, and there is a movement, to secure Burchard's removal. A story from Little Rock, Arkansas, says that two stock dealers en route to that place from northwestern Arkansas were halted while crossing the Boston mountains by a highwayman disguised as a female and robbed of \$400. This is the second robbery perpetrated by the same bandit within 10 days.

A drunken engineer on the Cincinnati Southern railroad one day last week backed a flat car loaded with section hands violently into a car of coal, telescoping the former and terribly crushing the men between the coal car and the tender. Five men were killed, and two others fatally hurt. Four of them leave families.

Prof. King the balloonist and Hashhagen of the Signal corps, left Chicago on Tuesday of last week in a balloon, and were not heard of again until Thursday, when they were found by some hunters in a large swamp at the mouth of the Flambeau River, Wis., where they had been aimlessly wandering about. They had been five days without food, and were badly used up.

Fifth annual convention of the America Humane Association, held a session last week at Boston. Henry Bergh addressed the covention against dog fights, bull fights, pigeon shooting, vivisection, and cruelty to dumb animals generally. He also denounces variations and the statement of cination, and says there is no such thing a madness in dogs, which argues that Bergh is a little mad himself.

The good Indians are still amusing them selves by slaughtering the whites. white men were killed last week in Dou Canyon, Arizona, making 150 that have been killed there this season. The remnant of Victoria's band has also appeared again, and last week attacked a ranche, near Buens Ventura. A force of Mexicans has started after them.

Last week a man named Cunningham, while being taken from court in the custody of the Sheriff at Helena, Ark., was taken by a mob who fired a rolley into him and left him for dead. Next morning a coroner's jury went to the place to hold an inquest on the body, and found the man had walked off. He was picked up and cared for, and it is said

will recover. It is the second theen shot and left for dead.

OCTOBER 25, 1881.

Foreign. Lively times in South America

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Orange Culture in Sv

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at interest of 15 to 20 per cent. a company has lately been form to negotiate loans with orange and if its operations be carried we may expect an extension ture, with benefit alike to th and the borrowers. At the p ment Jaffa possesses some 3 veraging from 2,000 to 2,500 t The crop of fruit from these n down at about 36,000,000. A garden costs from 40,000f. and brings in 4,000f. to 5,00 num. For several miles ro extends a fertile plain on which always to be found at a depth of With capital and enterprise mu might be planted, and the o

doubled in a short time. The tem of irrigation is that small which the water is drawn by experiments have proved tha engineering skill would be req der to turn the streams of the ri some four miles from the tow plain. The land near Jaffa we cheapened in proportion as tl that freshly watered rose. At planted land close to Jaffa able 2,000 trees is worth 2,000 to 3, two or three hours' distance it only 5 to 6f. a deunum. Th carried on chiefly by sailing Egypt and Constantinople, and ers for Russia, Trieste, and Exportation in cases, is a co recent introduction, which has siderable impulse to business v The orange gardens of Sidon ed on the same principle as the An acre of land at Sidon is ge ed at from 6,000 to 7,000f., an of bringing in an income of of The exportation begins in Sep is at first almost exclusively Russia, till the winter closes Sea ports, when it is continue European cargoe in paper and close cases, the in open crates. Each case co 300 oranges or lemons, and las port is reckoned at 20,000 c which fetched very high price lemons, in Russia. The av are for 1,000 lemons 150 to 1 while for 1,250 oranges, rectrade 1,000, the cultivator rece

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Lively times in South America. Ye fever at Panama and locusts in Bolivia. Yellow The land commission court has opened, and one hundred and ten cases are entered

The Pope having been badly treated by the Italians, the Emperor Willtam of Germany has offered him an asylum at Cologne. The \$2,500,000 fund given by George Peabody n 1862, to build lodging houses for the London odor, has increased to \$3,600,000.

The steamship Great Eastern was offered at auction last week, but as the best bid made was only £150,000, she was withdrawn. The Sandown Cambridgeshire trial plate

takes were ran for on Thursday last over the mambridge course, and were won by the merican horse Passaic. The Hungarian budget shows a deficiency of 5,665,542 florins, which it is proposed to make up by a tax on petroleum, an increase of custom duties, and a tax on spirits.

The Land League is said to have \$250,000 in its treasury. The government has issued proclamation ordering its meetings to be discontinued. It is reported that the head-quarters of the League will be moved to

Serious losses by gales are reported from the British coast, an immense number of the being disabled and others wrecked. A number of grain laden vessels were lost, and five abandoned ships were picked up when the gale had subsided and towed into London. A number of lives were lost.

At the last public meeting of the Land League in Dublin, a manifesto was read to the effect that the League could not now present the test cases to the land court, and advising that no more rents be paid till the leaders are released. The document was signed by Parnell, Kettle, Davitt, Brennen, Dillon, Sexton and Egan.

Sixteen arrests were made Saturday in rarious places in Ireland. The Land League soms in Cork and Limerick are occupied by and no members are allowed to enter jar of powder was thrown into the house of rd Erne's agent at Ballandort, but the se became detached and there was no ex-

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Archbishop Croke, of Cashel, who among Archbishop Croke, of Cashel, who among Irish ecclesiastics has been the most uncompromising friend of the Land League, has published a protest against the "No-rent" manifesto issued by Parnell, Dillon, and other political leaders now in jail. He says adoption of the policy of rent repudiation is both inexpedient and wrong in itself; that it will lead to danger and defeat.

Orange Culture in Syria,

Some very interesting notes on this subject are given in a recent consular report from Beyrout. From this we learn that the two districts in which oranges are the most plentiful are those of Jaffa and Sidon The orange trade began to assume considerable proportions some forty years ago, when the new government of Egypt ago, when the new government of Egypt took shape, and it is now one of the most profitable industries in the two towns above mentioned. Unfortunately the inhabitants, allured by first gains, commenceed planting gardens and expending money beyond their resources, the result of which has been that, in spite of all remunerations for small outlays, their improvidence has placed most of them in the power of money-lenders, who continue to advance at interest of 15 to 20 per cent. However, a company has lately been formed in Jaffa to negotiate loans with orange cultivators, and if its operations be carried on fairly we may expect an extension of horticulture, with benefit alike to the company and the borrowers. At the present moment Jaffa possesses some 340 gardens, averaging from 2.000 to 2,500 trees in each The crop of fruit from these may be put down at about 36,000,000.

A garden costs from 40,000f. to 50,000f., and brings in 4.000f, to 5.000f, per annum. For several miles round Jaffa, extends a fertile plain on which water is always to be found at a depth of 40 to 50ft. With capital and enterprise much of this might be planted, and the orange trade For further information address doubled in a short time. The present system of irrigation is that small wells, from which the water is drawn by mules; but experiments have proved that very little engineering skill would be required in order to turn the streams of the river Andjab. COL. J. W. JUDY. some four miles from the town, over the plain. The land near Jaffa would then be cheapened in proportion as the value of that freshly watered rose. At present unplanted land close to Jaffa able to support 2,00) trees is worth 2,000 to 3,000f.; but at two or three hours' distance it will fetch only 5 to 6f. a deunum. The export is carried on chiefly by sailing boats for Egypt and Constantlnople, and by steamers for Russia, Trieste, and Marseilles. Exportation in cases, is a comparatively recent introduction, which has given considerable impulse to business with Europe. The orange gardens of Sidon are cultivated on the same principle as those of Jaffa. An acre of land at Sidon is generally valued at from 6,000 to 7,000f., and is capable of bringing in an income of of about 600f. The exportation begins in September, and at first almost exclusively directed to Russia, till the winter closes the Black Sea ports, when it is continued to Trieste and Egypt. European cargoes are packed in paper and close cases, the rest are sent in open crates. Each case contains some 300 oranges or lemons, and last year's export is reckoned at 20,000 cases, all of which fetched very high prices, especially lemons, in Russia. The average prices are for 1,000 lemons 150 to 170 plasters; while for 1,250 oranges, reckoned as a rode 1,000 to 150 plasters.

On an average, \$200,000 in gold coin, bullion, or jewelry is sent every day as third-class mail matter through the San Francisco post office. Half of this is shipped by the Government; the rest is private remittances. There is no armed guard or other precaution against robbery, and private shipments are simply enclosed in ordinary wooden boxes. Before Secretary Sherman originated the present system of exchanges through the post office, gold au9-24t

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will recover. It is the second time he has to been shot and left for dead.

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at Cape Horn, in the Sierras, and the question is now asked why the Government should compete with regular transportation companies in business of a risky character.

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Commend me to the friend that comes When I am sad and lone, And makes the angrish of my heart The suffering of his own; Who coldly shuns the glittering throng At pleasure's gay levee, And comes to gild a somber hour And give his heart to me.

He hears me count my sorrows o'er, And when the task is don He freely gives me all I ask-A sigh for every one. not wear a smiling face When mine is touched with gloom But like the violet seeks to cheer The midnight with perfume

Commend me to that generous hear Which like the pine on high To every change of sky; Whose friendship does not fade away When wintry tempests blow, But like the winter's icy crown

Looks greener through the snow. He flies not with the flitting stork, That seeks a southern sky, But lingers where the wounded bird Hath laid him down to die. Oh, such a friend! He is in truth Whate'er his lot may be, A rainbow on the storm of life, An anchor on its sea.

A PICTURE.

How can I paint a face which is so fair That none may know its grace unless they see it Yet should you dream of any face so rare

No bright-eyed girl, although she once was such. Is she I sing. Time her girl-beauty stole; And since has drawn, with soft, artistic touch, The wrinkles that reveal her gentle soul, Kind charity-that almost seems to cheat

Her hate of sin by loving still the sinner-Beams from her eyes, gray eyes, that, soft and

Scarce hint the depths of tenderness within her. She always sees some good in every one; And so each feels for her esteem a debtor;

Her passing sheds a radiance like the sun, And yet she does not know she makes us better. Sweet, sympathetic face! In smiles or tears, I cannot see much good in any other; Nor better tell the tie that her endear

Than just to write her name, and that is, " Mothe And so with silver cord that naught can sever, And set in my unworthy frame of rhyme-Praying that God will keep it bright forever-I hang her picture on the walls of Time. :- C. H. Crandal

Miscellaneous.

ROSIE.

A glorious morning in early autumn. The bright August sun was streaming in through the half-closed Venetian blinds and fell in the snowy tablecloth. Two persons were seated at the breakfast-tablethirty or thereabouts, tall and stalwart, with resolute face and dark thoughtful eyes-this was my brother Norman-the other a girl of nineteen, brown-haired and brown-eyed, with a lithe willowy figure and be a home for her. a bright brunette face—this was myself.
"Maude!" said Norman suddenly, with-

out raising his eyes from the letter he was I looked up from my own closely-written sheet and waited to hear more.

"Maude!" "Yes, dear; I'm listening. What is it?" "Leslie cays he has got a short leave and

will be down with us early next week. Isn't that news, Maude? And, what is more, he is to bring a companion with him."

"A companion with him.

"A companion? Oh, a dog, I suppose!
Well, I'm awfully glad Leslie is coming,
and I hope he'll enjoy himself; but I wish
he wouldn't bring that dog. If it begins to fight with Pixie, we shall never be out of was no one at dinner but Mr. Lisle. hot water, for I wouldn't have Pix hurt for "You dear old goose!" I said l the world; would I, dogie?" Norman smiled mischievously as I caught up the tiny black spaniel which lay upon

the hearthrug.
"I don't think you need be so alarmed fo the safety of your favorite, Maude," he said; "for, as well as I can make out, Leslie's

nion will not be a four-footed animal. "What do you mean, Norman?" I cried, "You don't mean to say

"That Leslie has got married? Well, not exactly; but this looks odd, doesn't it?" He re-opened the letter and read—
"The Colonel is a brick, and has given m

a month's leave, so you may expect me at the Beeches early next week. I shall bring Rosie with me; so tell Maude to have a room got ready. Give her my love, and believe me, "Ever your affectionate brother,

Here Norman looked up, and, catching sight, I suppose, of the blank consternation depicted on my forlorn-looking visage, burst into a hearty fit of laughter. I felt inclined LESLIE LISLE.

"I don't see what there is to laugh at Norman," I said plaintively; "I think it's perfectly dreadful. I wouldn't have believed that Leslie could do such a thing. How dare he get married without saying a word about it to one of his relatives? might have told us, at all events, even if he 't ask our advice. But I dare say, after all, it isn't his fault, poor fellow! He was led nto it by that designing creature." suddenly—"I wish you wouldn't laugh, Norman; this horrid woman is coming here, and I know I shall hate her-and I'm very, and I know I snan hate her very unhappy—and——" A great sob effects nally prevented the egress of further word and stopped Norman's laughter in a moment.

"Why, I didn't mean to hurt you, little audie!" he said, drawing me upon his knee and passing his hand gently over my hair, as was his f shion when he wished to soothe me: "But you took the whole thing for granted with such solemn serious ess that uldn't help laughing. I'm quite sure that Leslie wouldn't marry without consultring us on the subject—that it's all a mistake.

Perhaps the fair Rosie is some distant cousin of ours who has advanced her craim to relationship. I remember my father's relationship. I remember my father's relationship. I remember my father's feeling a little fluttered whenever I thought Cannot remember living not very father.

"It might," I said dolefully; "but I don't think it is. 'There's one thing certain, though; and that is. that, whoever it is, she's coming here, and I'm certain to hate her. And what shall I do? I'll have to be always with her you know, because I'm the lady of for my brother and his companion were to osen this particular time for going off on only ten minutes of that hour. Some instinct a long visit. If I had her here, she'd be some sort of a shield.

"But can't you ask some one here instead," suggested Norman-"by way of a counterrritant, you know?"

"It's a splendid plan!" I exclaimed brightening up directly. "I'll ask Helen Charterie to spend a month with me. I had a letter from her this morning, and I'm sure

"And will she fight your battles with the other lady?"
"Fight my battles! Why, I never saw delight.

Helen in a passion in my life. No, indeed she will act as a peacemaker. It would never do to have any one here who would loose her temper with—with—this woman," I said with bitter scorn; "for then, you see, they would come to me to settle their disputes, and I'd be sure to please neither, but just get abused by both."
"Hard lines, Maude"—with a queer little

smile; "but I suppose Miss-Charteris, was it you said?-will keep things straight for

you?"
"I'm sure she will," said I confidently.
"She's awfully nice, and quite pretty too,
besides having a good fortune. If Leslie
weren't married already, she would make a nice match for him. But perhaps he isn't: at all events, I think I won't believe it until I hear more about it. And, any way, I'm glad Helen is coming; I'd like her for a ister-in-law."
"You little monkey!" said Norman

playfully pinching my cheek as he set me down and rose. "You are a confirmed matchmaker already. You'll be marrying me next—against my will too probably." Then, in a graver tone—" I have business to in a graver tone—" I have business to settle with Edwards, Maude and I shall be occupied all the morning. Don't fret about Leslie; I'm quite certain it's all a nistake." And, with the same odd inexplicable smile hovering about his mouth, he turned and left the room.

I had not much to do that morning; and, seeing Norman go out accompanied by his steward, and knowing that he would not get out of Edward's clutches for the next three hours, I sat down to pen my invitation to Helen Charteris. She had been my best friend at school, and I still loved her dearly; so the prespect of a visit from her was any thing but a disagreeable one. I brightened considerably under the anticipation, and, by the time I joined Norman at luncheon, had regained all my old cheerfulness once more

"Helen, can this be you? I scarcely recognise you! But there—that's your own old smile! I'd know you anywhere by that. Welcome to the Beeches, dear—a hundred thousand welcomes! I hope you will enjoy

"I'm sure I shall," said the sweet clear voice. "I should enjoy visiting you any-where, you know, Maude; but this is such a lovely old place that one couldn't help being happy in it. But why do you say you scarcely recognise me? Your memory can't be so good as mine, dear, for I should know you anywhere, though you have changed a good deal, whilst I have scarcely altered at

"Nonsense, Helen; it is you who have changed!

And, in truth, it was. I had not seen Helen Charteris from the time I left school, now two years back. She was then a girl verging on eighteen, tall and slight in figure with a face too thin and pale to be beautiful though the expression was good and the features were delicately formed. Now she was almost twenty, a fair graceful woman with a rounded finely-formed figure and a sweet pure face, lit by tender violet eyes and shaded by rippling masses of gold-brown shaded by rippling masses of gold-brown hair. She was so lovely that I never tired of looking at her; and, when I ran into her room that night for a chat, it was almost as much to feast my eyes upon her fair soft beauty as to talk over old times. And talk we did, with a vengeance, for Helen and I were never at a loss for topics of conversation the very similarity of our situations seemed to form a link of sympathy between us. was, like myself, an orphan, richer than I in one respect, for she inherited a considerable fortune, but poorer in another, for she had no kind brothers like Leslie and dear old Norman to pet and spoil her, only a married half-sister many years older than herself, and an uncle with whom she lived, a tetchy irritable old man, whose house could never

"Do you know that you are not my only visitor, Helen?" I asked, after we had chatted for an hour, as only old schoolfellows can, of by-gone days, of lessons learned together, of punishments and rewards shared together, of happy tete-a-tetes together in the old schoolroom on holiday afternoons, of forbidden fruit—i.e., novels—devoured together while some good-natured crony watched at the door, of pranks played to-gether—for in those old times Maude Lisle and Helen Charteris were seldom apart. Helen opened her violet eyes with wonder

"You dear old goose!" I said laughing.
"You do take up the very funniest ideas of things! I'm certain now that you fancy that I have three or four male bipeds stowed away in different parts of the house, and that I'm to jealous of your superior charms to let them look at you!"

"Now, Maude, don't be absurd!" "Well, I won't then. I'll be as sober and matter-of-fact as you like; and I'll begin my reformation by informing you at once that my other visitors—who haven't arrived yet by-the-way are only Leslie and his wife, suppose," I said, with a pitiful little smill a sudden longing to put my head on Helen's shoulder and cry. Her look astonishment recalled me to myself. astonishment recalled me to mysell. "I don't know anything certain about it," I hastened to explain; "and Norman thinks it's all a mistake." And then I told her of the letter, with its enigmatical message, an asked what conclusion she would draw from it. "They will be here to-morrow," I added.

'so we will soon know; but, oh, I do hope he isn't married!"

"I don't think he is," said Helen, after reflecting for a moment; "I think, with your brother, that it is all a mistake. I dare say you will be quite astonished to find what a natural explanation there will be to what now seems so extraordinary. Good gracious Can that be twelve o'clock? And I haven can that be twelve o'clock? And I haven't even brushed my hair yet!"—pulling down about her shoulders as she spoke thick mas-ses of rippling gold. "Go to bed, you in-corrigible little chatterbox; you haven't improved a bit since the days when made

piselle used to call you 'la petite babill-"Indeed I have!" I retorted, laughing "If youd been debarred a gossip for two whole years, youd have talked more than an hour and a half when you got the oppor-

tunity."
"Two years! What does the child mean Hadn't you your brother and aunt to tall

"To gossip," I said; "and Norman neve gossips, and aunt Marston is deaf. Good night dear. I hope you'll sleep well." "Good night, little Maude; let me echo

L'cannot remember, living not very far from where Leslie is at present quartered. It might te one of those."

"It might," I said dolefully; "but I don't think it is. 'There's one thing certain, and absent-minded answers. At length it was time to dress for dinner; and I went to my room, feeling that the mystery, if mystery there were, would soon be cleared up I wish aunt Marston hadn't arrive at half-past six, and it now wanted prompted me to put aside the pretty light muslins and grenadines usually deemed good enough for home-wear, and to don a pearl grav silk richly trimmed with lace; and with a plain gold cross hanging from the broad black velvet ribbon round my neck and one damask rose in my bodice and another in my hair, my toilet was complete I left my own room and passed down the

into Helen's. She was standing

fully dressed before the glass, but turned as

entered, with a little cry of surprise and

corridor

"Queen Maude in all her splendour! she exclaimed. "What a pity there are no enthusiastic lovers here to admire my bright Queen Rose of the rosebud garden of girls?" They wouldn't even look at me while you were by," I said, with a laugh and a blush.

A soft white hand was placed over my mouth, so I promised to make no more com olimentary speeches; and then we went down-stairs to sit at one of the open drawingroom windows and watch for the new

We had not long to wait; there was a distant rumble, and then the sound of wheels upon the gravelled sweep could be distin-guished. My heart gave one great leap and nen seemed to stand still; whilst Norman forgetful of his uncovered head and evening dress, sprang through the low French window, cleared the verandah at a bound, and ran swiftly down the grassy slope to meet them. My heart was beating madly now, and I leaned back in my chair, feeling faint and giddy for a few moments. When I opened my eyes again, they had reached the door. I rose and hurried into the hall to receive Leslie's warm kiss of greeting.

"Do you hnow that I haven't come alone this time, Maude?" he cried gaily; and then a mist seemed to rise before my eyes, and I caught at one of the heavy oak chairs to save myself from falling; for I saw, as in a dream, a tall figure standing before me and heard Leslie's voice coming, as it were, from afar off, saying, "Allow me to present to your high-and-mightiness Lieutenant Royston Clifford, H. M. —th Regiment, alias 'Fair Rosamond,' but bearing in every day life the more commonplace cognom

"Don't chaff, Leelie, there's a good fellow, said a mellow manly voice, its owner evi-dently struggling with a strong inc ination to laugh. "You appear utterly bewildered, Miss Lisle"

I dare say I did look bewildered-I know I felt so, for I made no response, but just stared blankly at the young man before me He was a fine fellow to look at, fully six feet in height, broad-shouldered and deep ested, with strong sinewy limbs. But i was his face which most attracted my atten tion, because of the delicate, almost feminin character of its beauty. For it was beautiful. The broad white forehead crowned by thick curls of silky gold, the straight clear-cut features, the deep blue eyes, with their long curling lashes-these were all beautiful, but with the beauty of a woman rather than of a man. Yet there was no weakness in the face; the lips, though arched and rosy as those of a girl, and parted now in a pleasant smile which displayed two rows of dazzlingly white teeth, could, I felt sure, on occasion lock themselves very resolutely together under the sweep of the heavy blond moustache; the eleepy blue eyes could flash fire if they would. I thought of all this in a dazed, dreamy sort of way as I stood and stared; and then the eyes concerning which I had just been speculating flashed straight into my own and woke me from my trance.

"You must really excuse me, Mr. Cliff-ord," I said blushing. "Leslie isn't a very clear correspondent, and his letter was so enigmatically expressed that it led me to expect a lady."
"My unfortunate nickname caused th

mistake, I snppose," returned my vis-α-vis grayely, though I could see his lips quivering n the attempt to suppress a smile.

But Leslie straightway burst out laugh-

"You thought that I was married, and that Rosie was my wife! Norman told m It's the best joke I ever heard. By Jove !e I looked up quickly, not, strange to say, at Leslie, who had uttered the exclamation, but at his friend, and caught the swift glance of intense admiration in the eyes now turned towards the drawing-room looked in that direction. Helen was standing in the doorway, the evening sun stream ing full upon her face, glistening among the golden threads of her hair, falling upon her blue-silk dress and shimmering over its shining folds, flushing her fair cheeks and dancing in her violet eyes. She looked so radiantly lovely that I could not wonder at Leslie's delighted astonishment and his friend's evident admiration. But, as I went through the ceremony of introduction, my heart felt very heavy, though I could scarce during dinner when I saw how much all

rowfully to mysetf-"What if I have done wrong in bringing Helen here? If the peace of mind of both ny brothers be wrecked. I alone shall be to lame. If such happens, I shall never for give myself; and, if he"—as our new guest leaned across to address Miss Charteris— "if he enters the lists, I fear Leslie and my poor Norman will have but a frail chance. Oh, Helen, Heaven grant you may not prove a very Helen of Troy to us!"

The dinner was over, Mr. Clifford had bowed us ladies out, and now we were sitting in the drawing-room, looking out upon the verandah, the ivydraped pillars of which ran along one whole side of the house. "Well, Maude, what do you think or

him? "Think of him?" I echoed dreamily "Why, what should I think of him but that he is just Leslie and nobody else?' "I was not asking what you thought of Captain Lisle," said Helen, laughing. "Of

course I know perfectly well what opinion of your brother. I wanted t I wanted to know what you think of Mr. Clifford."
"I think you ought to be better able to

udge of his merits yourself," I answered a little tartly; "he spoke much more to you than to me."
"Well, then, if you wish to know,

thought him very nice. And, oh, Maude, he is awfully handsome! Though that is scarcely the term either," she continued re-flectively. "I think the word 'beautiful' would describe him better, but you don't hear it applied to men."

"Won't you play something, Helen?" I sked, breaking the silence which had fallen etween us.

Helen rose, and, seating herself at the viano, dashed at once into a favorite com-osition of mine, a little *lied* of Mendelssohn's known as "The Bee's Wedding." She played with delicate touch and refined expression, and the sweet sportive melody rang out blithely on the scented evening air. Presently the last light notes were struck, there was a short pause, and then came a few slow solemn chords, swelling gradually out into the sublime "Stabat Mater" of Rossini. For a few moments I listened dreamily to the sorrowful tender beauty of the grand old hymn; and then my reverie was broken by the opening of the door and the entrance of the gentlemen. Norman and Leslie went at once to the piano to listen to the music and applaud the musician; but Mr. Clifford came straight up the room to where I sat and planted himself opposi e me in the deep recess of the window. There was silence

"Do you like that air, Miss Lisle?" as the 'Stabat' died away and Helen's lissom fingers flew lightly over the keys and the "Chant des Naiades" rippled out upon the

"Very much indeed," I answered, glancing shyly up at the tall figure lounging opposite, half hidden in the shadow of the tain. "It conjures up so many thoughts -the murmuring of fountains in the warm ummer days, the ripple of the burn through the valley, the roar of the waterfall tumbling ver the rocks."

I am glad to find that you too appreciate its beauty; it has always been a great favorite of mine."

"You are fond of music, Mr. Clifford?" "Very; I know no purer enjoyment than listening to such an air as that on such an evening as this."

"Helen plays very nicely," I said, after a "Yes. Does she sing as well? Her voice is so sweet in speaking, I should fancy she

"I will ask her to sing," I said, with a strange pang as I rose and approached the piano. "Will you sing for us now, Helen? am sure, are Norman and Leslie." "And Mr. Clifford," I would have added, but the words seemed to stick in my throat. Surely was not becoming envious of Helen's words seemed to stick in my throat.

I went back to my old seat and looked through tear-dimmed eyes at the fading glory in the west, whilst Helen's clear fresh tones rang out in the pathetic ballad of "Auld Robin Gray." She had a sweet sympathetic voice, and possessed the rare gift of throwing her whole heart and soul into the song she sang; and, as I listened, I thought of the sirens of old, and wondered f any man could withstand the double witchery of her voice and face.

"A penny for your thoughts, Miss Lisle!"
Mr. Clifford's low musical voice broke in "You don't bid high enough, Mr. Clifford,"
I said, laughing and blushing as I looked
up. "I wouldn't sell my thoughts for a great ap. "I wouldn't sell ideal more than that."

"Indeed! Were they so pleasant then? fancied you looked quite sad; but I supose I was mistaken.' The grave, almost hurt tone startled me, and I said hastily—
"It wasn't that—but I couldn't tell you;

then instantly repented my impulsive words, for he caught at their meaning with a rapidity very embarrassing to me.
"If there was a difficulty in telling me, I

uppose it must have been that so, Miss Lisle? And don't you think it rather cruel to keep me in suspense?"

Here was a predicament! I could not tell him that I had been thinking of him as my brothers' probable rival in the affections of

Helen Charteris; yet what could I do? He seemed to think he had a right to know, and— Oh, what should I say? The end of the matter was that I said nothing, but just turned my face towards the window again; a horrid little sob rising in my throat I choked it back with a quick gasping sigh and then suddenly my hand was caught and pressed to a moustached lip, and a low voice "Forgive me; I am so sorry to have hur

Oh, dear, why had he done that? I shrank back into the shadow, both hands clasped before my burning face. What if the others had seen? What would they think? I forgot that we were entirely concealed from sight by the gathering dusk, darker where I was than elsewhere by reason of the curtains which shaded the recess. I had never

had my hand kissed before in all my nine teen years of life; and now the spot where his lips had touched it throbbed and burned like fire. I fancied that every one mus and, when the urn came in, I begged Heler to make the tea, alleging with perfect truth that I preferred remaining where I was. So I stayed in my shady seat, where the cool evening breeze fanned my flushed cheeks and the unconscious cause of my exil brought me a cup of tea; and, us I received it from his hand, I was conscious through

all my shame and confusion of a strang pleasure, a wild delight. High noon of a sultry August day just one was a favorite haunt of mine, this old

week later; a merry group reposing on the grass in the cool shade of the orchard trees. orchard, all through the warm summer lays; for a fresh breeze was ever blowing from the little lake in the garden to temper the hot air, and the tall pear and apple trees cast a grateful shadow on the close-cut sward. Here Helen and I had come after breakfast, bringing our books and work; and here we had stayed well pleased, she in a little rustic seat, and I sitting under a great apple-tree laden with rosy fruit, sometimes reading a little, sometimes working and talking, till the murmur of masculine voices warned us that the gentlemen, whom we had supposed absent on a fishing-party vere meditating an invasion of our retre and presently the trio came in sight. Northree gentlemen devoted themselves to man and Leslie were foremost, and at once Helen; and over and over again I said sorand then Mr. Clifford lounged up, languid and indolent-looking as usual, to throw himself lazily down upon the grass at my feet. "Will you have these, Miss Lisle?" he said, offering me a splendid bunch of crimson clove carnations. "They looked so ne coming through the garden that I yielded to an insane desire to pluck them, and have repented it ever since, because

when I had them, Idid not know what Ito do with them. I dare say they will do for our dress." By this time I had got used to his careless speeches, so I only laughed as I took the flowers with a word of thanks and fas-

ened them in my belt. "I say, Rosie," called out Leelie from his recumbent posture beside the chair, "isn't this better than whipping the river under a

roiling sun ?" "Oh, certainly! It's too hot to-day for anything but lounging. What are you laughing at, Miss Lisle? At my confession of laziness, or at the unstudied grace of my attitude? "—for he was lying stretched out ipon the grass, his arms under his head and is straw had pulled down over his eyes. "Not entirely at either, though a little at both. I was wondering how you came by your ridiculous sobriquet."

"Oh!" Then very lazily—"You'd better ask Leslie; he knows more about it than I

"What are you saying about me?" cried "I was asking Mr. Clifford how he came by his absurd nickname, Leslie; and he re-

ferred me to you for an explanation."
"Oh, that's it, is it? I suppose you'd like to know; so here goes for the narrative; and, I say, Maude, as it was you who imposed the task, I'll consider you bound to suggest a suitable word, whenever I stick fast for want of one. I think I had been in the -th nearly two years," he began, "when one day, as I was lounging about the billiard-room with a lot of other fellows, Wilbraham came

in and announced a new arrival.

"'Come in place of poor Crawford, I supoose,' said somebody. 'What sort of fellows he, Will?'
"'I don't know anything about him,' said

Wilbraham, 'except that, as I was passing by the Colonel's just now, I saw somebody oing in; and it struck me that it might be the new man. Barclay came up just at the moment, and I asked him; and he said, he knew the fellow pretty well, and liked him very much. So that promises fairly, at all

events.'
"'What's his name? Do you know? drawled Gwynne, who was trying to make cannon.

"'Clifford. He's one of the Cliffords Cliffstone—an only son, I believe. Barclay told me his Christian name too; but I forget it—it was something beginning with R.'
"'Probably Ro-amond. Fair Rosamond was a Clifford, you know,' said Gwynn

vaguely.
"'I shouldn't be surprised if it were,' said Wilbraham, laughing; 'for, now that I think of it, Barclay told me that he was a young fellow of about eigh een, good-looking enough for a girl'"—here Mr. Clifford ed a comical look of bashfulness, and nade believe to cover his face with his

"'Then you may rely upon it that his name is Rosamond, said Gwynne; and Rosamond he was dubbed upon the spot, and has borne the same name, abbreviated into Rosie, during the seven years we have been together in the old —th." "And what was the other name beginning

with R?" I said in a low voice. "Oh, Royston! I thought you knew. My

"Oh, Royston! I thought you knew. My father and mother always call me Roy."
Roy! How well the regal name suited the tall erect figure, the stately head with its crown of golden curls, even the white shapely hands, on one of which a single costly diamond flashed in the sunlight! He Cost of the cost o

had noted the loving tone in which he spoke her name. "Very"-a tender dreamy light in the

lue eyes. "She has always been the loveliest and dearest woman in all the world "There has never been a dearer then?"

Some mischievous spirit prompted the rords, which I would fain have recalled the moment they were spoken; for he raised himself on his elbow, and from under the heavy white lids and sweeping lashes came a glance so keen and searching that it seemed to read my very soul. I flushed under the close scrutiny; but in a moment or two, apparently satisfied with the result of his examination, the veiling lashes fell again, and he sank back lazily upon the grass. I got no answer to my question though; nor indeed did I now desire one—I was but too

glad to let the subject drop.

When we left the orchard to go in to luncheon, I put in water the rich cluster of carnations he had given me, intending to wear them in the evening; so, when I went to dress for dinner, I donned a simple cosume of black barege, the better to show them off. I hung around my neck a locket set with rubies, which matched the color of me sort connected with the thought. Isn't the carnations, fastened one cluster of the at so, Miss Lisle? And don't you think it rich crimson flowers in my hair and another in my dress, and it was with a very bright and well-pleased face that I descended to the drawing-room. Mr. Clifford, as usual, took me to dinner; and I thought—or was it fancy?—that a gleam of pleasure flashed over his face as he offered me his arm. He was very bright and pleasant during the meal, exerting himself to talk much more than usual; and I discovered that few could talk better than he when he desired to do But he spent the whole evening with Helen at the piano; and poor Leslie, feeling, I suppose, de trop, came and kept me company. I do not think we were as gay as our wont that night; at all events, I was not sorry when it was time for us two ladies to retire and leave the gentlemen to the companionship of their meerschaums and

(Concluded next week)

How a Neveda Stage Driver Protect ed the Cash Box.

"'Taint no use trying ordinarily to save anything but your lives when a gang of road agents as knows their business tackles stage coach," remarked Long Bill to a Chronicle reporter. "A party of men standing on the ground with everything ready, horses to tend to, and nothing to do bu sight their shooting-irons and suggest to the driver to hand down the cash box, has a big edge in the game. The driver and guards, or 'shot-gun messengers,' as we call them in the moun ains, can't help being taken more or less by surprise; and I may remark right here, that until you have been suddenly called upon to look down the opening of a double-bar-reled shot-gun which has a road agent with his hand on the trigger at the other end, you have no idea how surprised you are capable of being. I have been there. I have had a seven shooter pulled on me across the faro table. I have proved that the hilt of a dirk can't go between my ribs. I have seen four aces beaten by a lush: but I was never really surprised until I looked down the muzzle of a double-ba reled shot-gun in the hands of a read agent Why, my friend, the mouth of the Sutro Tunnel is like a nail hole in the Pacific Hotel, compared to a shot-gun, from a cer tain point of view. But this is all a misdea was going to tell you about the time I die see a couple of road agents left. In '63 there was a plucky little stage driver running out of Aurora, who had been stopped three times on the road, but still driving though after a man is stopped twice the Company generally lets him do something else for a living, without intimating that he friend of the robbers

"Well, this driver I speak of—Dutch Jake we called him—had worked for the Company for a long time, and they knew be a dead square man. Jake fel dreadful bad about having been stoppe three times, and cleaned out each time, and swore the shot-gun messengers he took along for guards were a lot of cowardly blowhards The next time Jake had a consignment of bullion in his box he begged hard not to have to take along any messengers with him. At that time you could almost count on an attempt being made to rob every stage with bullion on board. The Auror ion was just the kind the road agent liked. It was run in small bars, and so rich in gold that it had the yellow color, no like the heavy white brick you see on the

Comstock now.

"Jake solemnly declared he had a scheme to 'fool dose dam roat agents,' so the stage manager agreed not to send any guards with him. When the time came to hitch up for the trip to Wellington's on the Carson road Jake went down to the stable and insisted upon having the ugliest pair of mules that ever winked dea'h with a hind leg, put in as lead team. 'I'll zhow how a mule vas more smart as a guard,' said Jake, confidently, as he whipped out of town, with myself as the only outside passenger. 'Is ve get a call to-night, Phil, shust you drop down in te boot, 'cause me and dose mules vas goin' to haf some fun.' I noticed that Jake had a shot-gun cocked and pointed straight ahead, and told him if stopped and attempted to raise the gun, he would get shot sure. He said he did not propose to make such a fool of himself, and when I asked him if he thought the robbers would carefully place themselves in a lne of the gun, which appeared to be point-

ed at the lead-mule's ears, he said:
"'Nefer you mind Phil; I knows mules. If we gets a call, you drop into te boot; dot's all.' Well, sure enough we got Well, sure enough we got a call. We were jogging along over an easy bit of road, when about nine o'clock a couple of road agents sprang out from some chaparral. One grabbed the bit of the lead mules, and the other walked toward the coach with his gun leveled, and said, 'Throw out that box.' Just as he got opposite the hind legs of the lead team, Jake's shot-gun went off, and we both dropped into the boot I thought every bone in my body would be splintered before Jake crawled out, gathered up the reins, and finally got the teams uieted down. At the pop of Jake's gun, he mules and horses had started off on a mad run, and we must have bumped, rattled and dragged over ten miles of the road before Jake took the rains again. The only damage was to the mules. Jake had shot

away the inside ear of each mule!"
"But what became of the two robbers?" asked the reporter, as Long Bill stopped in

"The robbers? Well, I really don't know. The Company would have buried them, I suppose, if enough of them could have been s craped off the chaparral to put in a coffin. Those mules always were consider high kickers."—San Francisco Chronicle.

Several years ago Ericsson predicted that the Nile and the Ganges would be lined with heat. A French engineer in Algiers is already contributing to the fulfillment of this pretion by pumping water and making it solar force alone.

A Snake Charmers Feats.

Most people haven't a very high opin ion of snakes. William W. Howe, of Cam-den, has. He considers that a snake has as much right to be treated as a pet as a dog or a cat or a bird. Behind the counter of his liquor and billard rooms, corner of Atch and Fifth streets, stands a pine box with a glass front, and in this yesterdey afternoon a visitor found a six feet pinesnake, which, at a distance of three or fou feet, closely resembled a rattlesnake. Mr Howe thrust an arm into the box and lifting the squirming reptile by the neck toss-ed him on a billard table to the consternation of a man who was reaching across for a ball.

"That's the only one I have at present.

said Mr. Howe, as he stroked the creature back, "but I expect to get more soon. This fellow I caught about three months ago near Chemung Station, New Jersey, and he has turned out one of the nicest pets I have had. He was pretty ugly at first, but by gentle handling I have made a decent snake out of him. Why, he wouldn't eat for three weeks after he was caught, but I got him reconciled to his fate at last. He now eats regular, and is quite lively. I feed him on sparrows, mice, eggs, and milk. I put the birds in alive, and I sometimes feel sorry for the poor things, they do take on so. He kills them, and then swallows them whole, feathers and all. He swallows an egg without breaking the shell. That sounds like a pretty stiff snake story, but the throat of the snake is capable of wonderful distension feed him three and four times a week After a meal he will lie for four or five

"The rattlesnakes," the snake fancier con-tinued, "rarely feeds more than three times a week. He is much more vicious than the nesnake, and it acquires much more skill and patience to subdue him. It is the same way with a blacksnake. The 'rattle' has the nature of a bulldog to a great extent the only way in which anything can be done with him at first is by brute force. I have to whip a rattle into subjection. How's that? Oh, the whipping? Well, sir, I find that a snake has about as much intelligence as almost any animal, and when it strike at you it knows that it has done wrong and understands why the whipping is adminis tered. I take a small switch and whip the enake over the head. Rattlers are stubbor at first, but they can be conquered finally by the whip, and they give little trouble When a rattler gives in and squeals then l know I have conquered him. Now, with the pine snake it is different. If I should take a switch and whip that snake there or the head it would cry like a hurt child. That's strange, isn't it? But it is true. There is no need of whipping a snake more than two or three times, for after that it fears you, and if you go at it in the right vay it will soon learn to love you the same is a dog or a cat. Before I tamed this one t jumped clear out of the box one day in an endeavor to strike the clerk. It never made a single pass at me, and it probably never will, because I treat it kindly. Would you like to see it climb a tree? Well, then,

come out here." The snake-owner carried the reptile to a tree in front of the store and hung it over the first limb. In a few moments it climbed to the very top of the tree and swung to and fro in the summer breeze. There was a commotion among the birds and loud and angry protests were made against the intrusion. Mr. Howe and the reporter sat down under the tree and talked of snakes and lizards and all manner of creeping things, the former discoursing volubly on his preference for snakes as pets and play-things. He claims to have owned and handled all sorts of small animals, birds, rats, mice, squirrels, opossums racoons, ground-hogs, foxes and other creatures common to this country. He prefers snakes to anything he has yet owned, arguing that as much confidence can be placed in them as in a dog While he was giving an interesting experience a man stepped under the tree and became an attentive listener. He was a middle aged man, upon whose features rum had placed its mark. He was evidently no stranger to delirium, his mind was cloudy and his speech incoherent. As he sat listening the snake, tired of the tree, dropped from the lower limb across his shoulder, and instantly coiled itself about his neck. "Merciful God!" he shouted, springing

to his feet and clutching wildly at his throat, his face the very picture of terror. "Take it off; take it off! Oh, horrors! Take it off, for Heaven's sake !" "Got 'em again!" said Howe, as he re-lieved the man of the cold clammy coils.

"Jim-jams sure, this time. Go home and go to bed." "But—but—wasn't that a snake—that dropped on me?" fairly gasped the man.
"You've got 'em again, I say. How
would a snake be in that tree, I'd like to

"! ugh? Yes, I've got 'em!" and he started off at an unsteady though fast pace down the stree, convinced that delirium remens was upon him with all its terrors. "If that fellow hadn't got rid of the snake would have choked him to death," said Howe, as he tucked the reptile under his coat. "It has a powerful backbone, and its coat. queezing ability is something remarkable." Philadelphia Times.

A Good Word for a Nuisance.

"The house fly is one of the most useful domestic appendages in the hot season. and, at the same time, one of the most annoying. Where there is the most of dirt, annoying. Where there is the most of dirt, there it is that flies most thickly congregate, and thus they vindicate, to the philosophic observer, their true character as scavengers, 'If and therefore benefactors to human kind. The amount of disease-breeding filth destroy ed by the myriad armies of summer muscidæ more than compensates for the mischief they do, the uneasiness they occasion, or the torture they inflict in the animal king-dom. We sometimes wish the Creator in His wisdom had invented some other mode of cleaning the world than by means of these pesky little pesks. Perhaps their enjoyment, and not our convenience, was the orimal cause of their position in one of the inks in the scale of creation. There is no doubt that meditative flies complain, and have a right to complain, of Divine proviattaching such brutal appen as switches to the caudal vertebre of cows and horses to interfere so seriously with their pasture privileges on the hides of these animals. To the insect world, fly, mosquito, louse, bedbug, man's body is a vast continent fertile in good things; to the fly especially it offers a paradise of enjoyment. The unsophisticated musca doubtless wonders why, when he settles to regale himself on surface, like the ofors of frying steak from a cook-shop, he is rudely jostled from his expected repast by an earthquake shake, or a resounding whack that would annihilate dozens of the fly family, if they did not skip aside, lightning-like, on the wind of the descending blow. "Tnanks to his 4,000 telescopic eyes, the

house fly cannot be approached from any direction without his perceiving it. To him, as well as to many tribes of tellow insec s, light and warm h are irresistible attractions, and to each and all glass is a wonderful puzzle. The persistency with which winged insects, flies, butterflies, bees, and other tribes will but thems lves, again and again, against a window pane in their mad efforts to escape Legislature denounced a bill that was the house, proves that, while they have power of perception, they possess very little reason. The window and the ceiling are favorite resorts of the fly, where he promenades at pleasure in defiance of the laws of gravitation. Microscopists give various reasons, drawn from the structure of the fly's foot, why he is thus able to cling securely to the surface or "by tunket." He knew well en with his body hanging downward. It is was Hannibal who stabbed Cæsar.

one of those things of which an elephant o a man can form no conception, any more a man can farm an an live under water, or why an insect can dash himself over and over

against a wall or a crystal pane unharmed "The fly eats dirt, and makes dirt, but his personal habits are cleanly. You may see him in moments of leisure, when hunger is satisfied and there is no sport toward, sitting by himself brushing and pluming his wings with his flexible hinder feet with as much ease and assiduity as a dandy combs his locks! He is terribly distressed when he gets into the molasses or butter or tar. That he hates to get his plumage wet is evidenced by the unerring instinct which sends him driving into the house when barometrical in the atmosphere indicate the ap changes in the atmosphere indicate the approach of a shower. Flies like good living; they hum when the meals are served as well as the summer boarder, and they flock to the dining-room at meal hours without th summons of gong or bell. It is useless o "shoo!" them away. Driven from one end of the table, they swarm to the other. The pest way to be freed from their annoyance at the table is to feed them. Spread a side. poard for them, on which a little moist sugar spread, and leave them their meal undis turbed, and they will cease to disturb you, in unmanageable droves at least.

"Darkening a house to rid it of flies is

only getting quit of one evil by adopting nother, shutting out the pleasant, life-giving

light. Netting and wire screens over windows and doors are tolerably effective uards, particularly to the sick room. The bed of a well man needs no such protection.
When the flies begin to tickle his nose it is light and time to get up. For the head of a bald man, the sides of a cow, or the legs of a horse there are no human protectives against the well-nigh purgatorial torments of hungry flies. It has been recommended to bathe the bare scalp in camphor spirits, pennyroyal water, or some decoction that is ffensive to the flies, for they have their antipathies in the herbal kingdom as well as man. The relief is only temporary. The fluid quickly evaporates, and the indefatig. able battalions return with redoubled zest to the charge. Water in which walnut leaves have been steeped has become recom-mended as an anti-fly wash for the legs of a horse, but this also, on account of rapid evaporation, requires constant application, so that anything of the kind, however effective for the moment, because impracticable in use. There is no remedy but nature's stamp and flirt the switch, sometime bobbed in obedience to what suffering horses must regard as a cruel fashion. To suffering woman the filth of the fly is more annoying than his sting and suction, vulgarly called "bites." He loves white paper, a white cloth, a white ceiling, and, above all things, to bask in the sun on a window pane. He leaves none of those things as white and clean as he finds them. Bunches of asparagus hung up about an infested kitcher or dining-room, becomes favorite rocsting-places of these house plagues, especially in the fall of the year, when the cold begins to chill them and their brief summer reign is over. One of the advantages of the north temperate zone is that there are eight months in the year in which we do not have to fight flies. In summer it is good exercise for those who are too lazy to take any other. Nothing is so ridiculously helpless as a public speaker, a preacher, for instance, in the midst of his most passionate or pathetic periods, pawing the

air as a mad bull paws the dirt, in the bothersome fly.
"Lawrence Sterne, desiring to exhibit a perfect specimen of patience and kindness, pictures Uncle Toby catching a great blue pottle fly that had buzzed abo all dinner time, taking the captive insect to a window, raising the sash and gently setting him free, saying, "Go, poor devil—I will not harm thee; the world is wide enough for thee and me." That will do for an insolated case, but what is a hungry diner to do when his hands, fettered to knife and fork, want their freedom to battle against a dozen blue bottles! If Satan had been shrewd, and the season of the year had allowed he would have substituted flies for boils in Job's case, when he was urging the man of Ur to forfeit his membership in the anti swearing society by blaspheming a little. It the devil had let loose a host of hungry flies on the bald map of Job's phrenological propensities, his arms would have played wind-mill for a patient hour or so, and then haden't lost his temper and swore !"-troy

The Tramp's Drink.

A dilapidated-looking tramp, with six een distinct patches on his clothes and a plaster over his eye, went into a Main street aloon, slapped down a worn out dime, and bawled out in a voice loud enough to be

eard in Ogden: 'Give me a soda water cock-tail with the

north pole in it." A crowd outside, thinking free drinks were to be set up, crowded into the saloon and watched and waited. The man of rage, who had ordered the north pole in his drink, ate up all the lunch he could find, chewed up the coffee and cloves, and was tackling the mint when the bar-tender quiet-

ly asked:
"What did you say you wanted in your drink, Mr. Gould?"
Mr. Gould steadied himself a moment,

grinned on the crowd and at himself in the looking-glass, and replied:

"If you please, sir, I'll have the north pole in it."

The bar-tender remembered an old piece of gas-tubing, about three feet in length, which had been left around; he got it and blew some cayenne pepper down the inside, put one and of it in the cock-tail, and smilingly handed it to Mr. Gould. Mr. Gould took it, gave a first preliminary pull and then a hurricane arose. It seemed as though the combined tornadoes of eight eastern states had broken loose. An immense conglomeration of legs, arms, bats, canes, and bodies were observed piling out of the saloon few minutes after; and when the saloonkeeper reckons up the loss of a broken head cracked mirror, scratched and stained counter, and liability of being sued, he will sadly remember the last words of the tramp as e closed the door and shot up the street .-Salt Lake Tribune.

HE was a nice and very new young man, and his employer took kindly to him on the first day in the factory, asking him to help in "checking off" and "calling back" the sizes of certain goods. All went well until the youth, in finishing up a string of numbers, called out: "Fifty five, e-leven, forty-fo'-Keno!" A great solemn hush fell over the rest of the clerks as the old man called the blushing lad up to the desk and desired an explanation, and the misguided youth put his foot in deeper by stammering out that it was only 'force of habit" made him say it. The old gentleman eyed him calmly for a mo ment, and then laying down seventy-five cents for his day's wages, said: "Boy, rake the pot' and go and renounce your sins."

A MEMBER of the New Hampshire under discussion as "treacherous as was the stabbing of Cæsar by Judas in the Roman capital." Then he got out of it by saying that he used "by Judas" as a sort of oath, just as he would say "by George or "by tunket." He knew well enough it THE GYPSIES.

OCTOBER 25, 1881.

Once I found on a common land Three gypsies lying together While my coach with trouble and t Crept through the sandy heather

One in the hands for his own deligh Held a fiddle and fingered A passionate air, and over him The sunset glories lingered. The second lay, a pipe in the montand watched the smoke at leisu

Glad as though the whole of the es Could grant no greater pleasure. At ease, his cymbal hung on a tre Slumbered the other rover; Over the strings went the breath of A dream his heart went over.

Full of holes were the clothes they And gay with colored tatters, Free defiant, they showed with so How little fortune matters. They showed me thrice how if life If nightclouds lower and hover, One fiddles it, smokes it, sleeps it

And scorns it three times over. After the gypsies long I looked And stopped my plodding paces. To look again for their rough black Their swarthy nutbrown faces.

Habits of Snakes.

Arthur E. Brown, of the Ph zoological gardens, furnishe est and Stream the follow esting chapter on snakes: "The following facts, some are opposed to popular fallac subject, are reasonably well

ed to be such: "1. No serpent covers its slime before swallowing it. T organ provided for such a and it would be about as eas in water colors with a sharp pencil as to smear a "slimy i the hair or feathers of an an the slender pointed tongue o Deglutition usually begins without any preliminaries prev is secured, and the se the salivary gland serves

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ence of the snake until the comes aggressive, when they show much fear, but under stance have I ever been ab any trace of a power to cha part of the snake. It is safe to strike out the inter ment implied by the comm and to attribute the behavi victim to trance or nervous e It is well ascertained that th mental state often known ism" or "Hypnotism" can b by fear, and also by having tion strongly attracted to in a fixed manner, for eve space of time. Without go long discussion, it will be a all who are at all familiar experiments which have be this subject, that the slow and the fixed, glittering e snake might be a frequent c condition in the prey whi about to seize, under which stances, so long as no exter as a noise or a sudden mo curred to give a shock to th system of the animal affect would appear to be a compl sis of the motor nerves an pacity to effect any volunt to escape from the spot. I needless to say that these not infrequently exist w beings in the face of sudd which may often be of suc that the most firm believer pernatural could hardly su

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Drink. tramp, with six his clothes and a into a Main street

loud enough to be cock-tail with the king free drinks led into the saloon The man of rage, orth pole in inch he could find, nd cloves, and was e bar-tender quiet-

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Habits of Snakes.

Arthur E. Brown, of the Philadelphia zoological gardens, furnishes to Forest and Stream the following interesting chapter on snakes:

"The following facts, some of which are opposed to popular fallaces on the reproduced, as the new growth is at subject, are reasonably well ascertained to be such:

"1. No serpent covers its food with is a general relation between the numslime before swallowing it. There is no ber of rattles and the age of the snake, organ provided for such a purpose. and it would be about as easy to paint correct indication of the latter. in water colors with a sharpened slate pencil as to smear a "slimy fluid" over the hair or feathers of an animal with the slender pointed tongue of a snake. Deglutition usually begins at once without any preliminaries when the prey is secured, and the secretion of agus and into the stomach.

the salivary gland serves merely to often as striking and brilliant as na-lived. facilitate its passage down the esoph- ture can paint-are looked on with "2. As to the supposed powers of fascination in snakes. In general, ani- ed as mythology or theology, in which mals placed in a cage to serve as food are perfectly indifferent to the presence of the snake until the latter becomes aggressive, when they naturally show much fear, but under no circumstance have I ever been able to find any trace of a power to charm on the part of the snake. It is reasonably safe to strike out the intentionœ element implied by the common belief, and to attribute the behavior of the victim to trance or nervous exhaustion. It is well ascertained that this curious mental state often known as "Braidism" or "Hypnotism" can be induced by fear, and also by having the attenment of all nature's forms. tion strongly attracted to one object in a fixed manner, for even a short space of time. Without going into a long discussion, it will be apparent to all who are at all familiar with the experiments which have been made on this subject, that the slow approach. and the fixed, glittering eye of the snake might be a frequent cause of this condition in the prey which it was about to seize, under which circum-

stances, so long as no external causeas a noise or a sudden movement, oc. curred to give a shock to the nervous system of the animal affected, there would appear to be a complete paralysis of the motor nerves and an incapacity to effect any voluntary motion to escape from the spot. It is almost needless to say that these conditions not infrequently exist with human beings in the face of sudden danger. which may often be of such a nature that the most firm believer in the supernatural could hardly suppose it to be gifted with a voluntary power of

fascination. "3. When a snake lies quiet for a few hours after feeding, it can hardly be possible that it does so to allow digestion to take place, as this progress in most if not in all snakes requires several weeks instead of from two to nine

"The muscular force exerted by the snake in drawing food down its throat is considerable and long continued. Furthermore, the arrangement of the two bones composing the lower jaw and of some of those entering into the base of the skull is such that they are movable on each other, and can be dislocated at will, much enlarging the throat to give passage to the food. After this is swallowed they are drawn back into position by contraction of the elastic ligaments which hold them together. When the operation is completed, a greater or less time must be allowed for these overstrained muscles and ligaments to recover their tone and contract. During this time itis reasonable to suppose that the snake would-just as in ordinary cases of fatigue-be disposed to be still, and to some extent probably be

incapable of exertion. 4. "The usual number of young produced at a birth by the rattlesnake is very probably from six to twelve, as stated, but it has been known to be as high as 15 on one occasion in the Philalelphia zoological garden.

5. "Thegeneralization that all harmless snakes lay eggs, and all poisonous ones do not, is unsound. The young of the rattlesnake, and probably all of the North American venomous serpents, are produced alive, but so also are the young of many of our harmless species, as in the familiar cases of the gartersnakes and common water-snakes. The bringing into the world of young on bowl of water, but obtained no relief. oviparous or viviparous principles really does not seem to be a matter of vital importance in the economy of the animal, as it can frequently be influenced to some extent by artificial self of the habit?"

air and the dew on the ground; but in amount of the drug he uses." this quietude reptiles-if indeed it be general among them-differ from most animals instead of agreeing with them. The great proportion of wild animals seem to be nocturnal in habit

notably all those, both birds and anipredacious nature.

7. "The development of the rattles knob at the end of the tail, which becomes the button of the forthcoming rattle. At the end of about six weeks -depending much upon the time when the first food is taken—the young then added, and subsequently, as a ly interest all impetuous brain-workgeneral rule, through life, one new rattle is formed whenever the skin is shed, but this is exceedingly irregular; the alleged "overwork," Dr. Granville snake sometimes sheds three or four times in the course of a year; sometimes two or three rattles are produced at once, and occasionally none at all; also, rattles are frequently lost i. e., end of the rattle-which are never

while under normal conditions there

it is much too uncertain to afford any

"What a nest of strange notions is that part of the human brain which may be supposed to be devoted to snakes! All men are prone to misrepresentation and superstition in their regard. Everywhere their graceful, gliding motions and their colors-aversion and fear. Hardly a religion of ancient or modern times, be it classthe serpent is not recognized either as an object to be feared and therefore hated as the incarnation of evil. Probably few of your readers ever had their the brute creation, the monkey alone his sentiments in this respect, and that | views. universally in the animals of that order, so far as inarticulate sounds and the language of gesture can make plain, horror, aversion and fear mindisplayed under the highest develop-

The Curse of Morphia. Of all conditions of bondage, says a writer in the San Francisco Call, there is none in which the shackles are more securely riveted than those of the slave to the use of morphia, or, as he is commonly called by the the uncharitable, the "opium fiend." At an autopsy recently held in a neighboring city, at which were present a number of prominent physicians, all were standing around the corpse, watching with admiration the skillful manner with which a young medico handled the scalpel, when suddenly the young man stopped, took a small case and a vial containing an amber liquid from his pocket, and there, to the consternation of all, proceeded to take an hypodermic injection of morphine. Removing from the small case, which he handled carefully and almost caressingly, a small gold-plated syringe, he adjusted, with great apparent care, to its nozzle a fine perforated gold needle, about one and one-half inch in length, filled the instrument with the into his arm. He then carefully replaced the instrument in its case, and taking up the scalpel, completed the finest operation ever witnessed by those present. The perfect adapdon with which the young man, in the presence of comparative strangers, displayed his degredation, caused the reporter to inquire of the "opium fiend"

how he acquired the baleful habit. The young doctor bared his arm, which was scarred from shoulder to wrist with the punctures made during the years of his slavery by the needle. His leaden eye and heavy lips, sunken cheeks, saffron skin and weak mouth. were only too perfect indices of his his-

Said he: "When I was a student in an eastern college I was afflicted with pulmonary trouble, and also had severe headaches. I had great difficulty in obtaining sleep, until one day a prominent physician injected one-sixteenth of a grain of morphia into my arm. That night I slept, oh! so sweetly, and had such beautiful dreams. The next day I felt refreshed; and impaired by wind or rain, for generaafter that, whenever I was sleepless or in pain, I took a hypodermic injection. Gradually I increaed the dose, until I took an injection of four grains each three hours."

use of the drug?" "Oh, yes; I used to go without it for a night, but when I would get up in ache, and I would plunge it into a yet almost unknown section. The feeling is a peculiar one. The only thing that I can compare it to is

the burning pain of a felon." "Do you ever expect to break your-

snakes at night in this latitude is prob- has some one to remain with him all blesse Oblige," and well deserved his ably correct, viz: the chill of the night | the time, and by slow stages reduce the | freedom; for, destined in early infancy

many persons?"

self from it."

The Fatal Worry.

In a leading English periodical, Dr Mortimer Granville has been discusssnake sheds its skin and one rattle is | ing a subject which should particularers. Referring to the increasing number of cases of sudden collapse from offers some views which, if not exactly new, are at least not those currently entertained.

Constant warnings are being given at the present time against overwork. by accident from the end of the tail, But thinks the author quoted, these are generally misapplied. The brain can be tired by prolonged activity, the base. It is thus readily seen, that just as may happen with a muscle. But we flud that hard and persistent muscular work does not cause muscular collapse. Each day the reserve forces of nutrition renew the wasted protoplasm, and the frame keeps as strong as ever. So there is no more reason why there should be brain collapse from systematic, though severe brain work, than there is for paralysis or tetanus to strike down athletes or day laborers. And we do, indeed, find that brain workers are, as a rule, long-

The cause of the frequent breaking down of men engaged in the active work of life is referred, therefore, by thing to be told that it is not work but worry which kills. But it is often useful to have general impressions attention drawn to the fact that in all fixed upon a definite and more or less scientific basis. Therefore we follow "that rough sketch of man"-shows our author in the expression of his a tune while he looked at the pictures on the

It may be assumed that, as the contraction of a muscle is caused by successive waves of nerve impulses, so the [mental activities are made up, gled with an invincible curiosity are after an analogous fashion, of undulafound, just as the same feelings are tions of nerve impulses. In ordinary work, however hard, these impulses are sent out in a regular and rhythmihausts the nerve force, exhausts further the reserve or recuperative power, and breaks down the man. The digestible food; but add an unmasticated bolus of tough beefsteak three times a day, and there will be trouble

The first inference from this presentation of the matter is easy and natural. It is that we should not worry. Such advice is perhaps the most fruitless that can be possibly given. Nevertheless, a diligent inculcation of it, and especially its application in educating the young, may not be without some avail.- Medical Record.

Tennessee Marble.

Mr. John J. Craig, of Knoxville, Tenn., says that the United States government is now working successfully morphine, bared his arm, inserted the a quarry of white stone in the immeneedle for its full length under his diate vicinity of that city, which is epidermis, and injected the morphia pronounced by competent judges to be superior to anything of the kind found elsewhere in the United States for building and all, out-door purposes. It is a highly crystallized limestone marble-and as it comes from the hammer and chisel is almost perfectly white; when polished it shows a faint pinkish blush, most delicate and beautiful: long exposure to the atmosphere seems to whiten and harden it a sort of glass-like enamel forms over its surface and renders it almost impervious to dampness and stains of any kind. A column of this marble which has been standing in Knoxville more than 30 years, and which has never been touched with brush or soap, is as white and clean to-day as it was the day it was first exposed to the storms and sunshine of our fickle climate. The texture and working quality of the marble is unsurpassed It is neither too hard nor too soft, but exactly soft enough to allow the sculptor to work it without force and trace on it the finest lines of finished form. and yet hard enough to retain these lines in all their original delicacy, untions to come. The quantity of the marble is unlimited-Knoxville is surrounded by whole mountains of it. Facilities for transportation are now good and daily growing better. Car "Did you ever try to discontinue the loads are being daily shipped to all sections of the country, and the absence of capitol alone prevents the quarrying of it from soon developing the morning I felt as if there was into one of the most important indussomething wanting. My head would tries in that singularly favored but as

> THE PET PIG.-At this moment there exists in Lithuania, on the es tate of M. le Comte de-, a porcine animal passing his life at full liberty

to form a dish which is a special "mets "What do you consider the cause of de predilection" at a Polish dinnerof the acquirement of the habit by so table, the little animal, escaping from his murderers by some fortunate "Old fogy physicians, who prescribe chance, contrived to take refuge at that the noble lord and his friends escaped. morphia indiscriminately to their pa- the feet of his master. Knife in hand, tients, young and old, whenever they the cook followed to gain possession mals, of a carnivorous and therefore complain of pain or sleeplessness. of his victim, but the Count, with true But," sighed the victim of the drug chivalry, declared that piggy, having differs somewhat from the manner destruction from his pocket and bared never be killed, and accordingly, after stated. The snake is born with a small his scarred arm, "I am breaking my- being fed upon the best kluskey (Italian paste) and milk for some days, he was sent off to the country, established as the children's playmate, and still remains in the same capacity, giving from time to time the oldest examples of intelligence and "bonhomie." While on the subject of fortunate suckingpigs, another may be mentioned, whose cleverness was so great and his training so perfect, that he formed one of the principal attractions of a wellknown Russian circus proprietor. Among the crowds which daily visited him in Moscow, were four young laid down 2.000 rubles, the price demanded, and ordered him to be sent home. The dinner took place amid much hilarity, but although the young people. scapegraces had supposed their intention to be carefully concealed from the circus master, he had been quite wise enough to find it out, had dispatched them a succulent, but perfectly igno- Lodger: "Do you take me for a bonanza mine rant little squeaker, and made the best on its travels?" Polite Clerk: "Far from it; of his departure, with the real Simon but you had one of the best rooms in the Pure and a sum of money equal to

VARIETIES.

more than £200.-[Spectator.

IN TURKEY DO AS TURKS DO .- When Mr. Allison was on Lord Stratford's staff he was quite familiar and friendly with the then Dr. Granville, to another source, and Grand Vizier Reshid Pacha, who was succeeded that is worry. Doubtless it is no new by Raouf Pacha, who received him very differently. On his first interview with Raouf a servant led him to the presence of the great secretary of the English embassy. Raouf Pasha took no notice. Mr. Allison put his hands in his pockets and began whistling a walls. The servant ran up to him saying that the Pasha on the sofa was the grand vizier. "Impossible," exclaimed Mr. Allison in Turkish. "That must be some flunkey. The grand vizier would receive me like a gentle-

Raouf Pasha stood up in apparent astonish ment. Mr. Allison took a seat, and in the most patronizing manner invited the great man to sit down. He then explained the case he had to lay before the Porte. After a long discus cal manner. It is the worry which sion of it the Grand Vizier looked at his watch, comes in and disturbs this rhythm, ex- said it was the hour of his prayer, and knelt down at the end of the sofa, as the Turks delight in doing in the presence of foreigners. The Massulman prayer winds up with a damnatory clause against all infidels, and Raouf natory clause against all infidels, and Raouf Pasha rolled it out in a stentorian voice, as if leveled at his visitor, who knew enough Arabic to understand that a deliberate insult was intended by the emphasis laid on the words. The Grand Vizier then returned to his seat strength does not weary of digesting Pasha rolled it out in a stentorian voice, as if The Grand Vizier then returned to his seat eventually. Worry produces a kind of dyspepsia of the mind. It is to the encephalon what a restaurant pie is to the stomach.

The Grand Vizier then returned to his seat and resumed the interview. When the affair under consideration was settled, Mr. Allison in his turn looked at his watch, remarked that it was his prayer time and went to the other end of the stomach.

The Grand Vizier then returned to his seat and resumed the interview. When the affair under consideration was settled, Mr. Allison in his turn looked at his watch, remarked that it was his prayer time and went to the other end of the sofs, where he went through a swered with satisfaction and pride.

"What sort of a house was there?" was asked of a dramatic author's friend. "Half empty!" said he gloomily. "What sort of a house was there?" was asked of the dramatic author's friend. "Half empty!" said he gloomily. "What sort of a house was there?" was asked of the dramatic author's friend. "Half empty!" said he gloomily. "What sort of a house was there?" was asked of the mature of household furnishings asked of a dramatic author's friend. "Half empty!" said he gloomily. "What sort of a house was there?" was asked of the mature of household furnishings asked of a dramatic author's friend. "Half empty!" said he gloomily. "What sort of a house was there?" was asked of the mature of household furnishings asked of a dramatic author's friend. "Half empty!" said he gloomily. "Under consideration was settled, Mr. Allison in his turn looked at his watch, remarked that it was his prayer time and went to the other in his turn looked at his watch, remarked that it was half full!" he and the produce of household furnishings asked of a dramatic author's friend. "Half empty!" said he gloomily. "Under consideration was settled, Mr. Allison in his turn looked at his watch, remarked that it was half full!" he and the produce of household furnishings asked of a dramatic author's friend. "Half empty in his turn looked at his watch, remarked that it was half full!" he and end of the sofa, where he went through a variety of gestures and genuflexions, ending with a vociferous anathema against all Turks, Mussulmen, and other unbelievers in the holy Christian faith declaimed in pure Arabic as understood by all pious Mohammedans. He then walked out of the room without taking any notice of the astounded Grand Vizier.

A CRITIC SAYS:-"We all accept the old Greek statues as the finest models of the highest types of physical beauty, and in not one of them do we find evidence of the comression of the feet. The toes set well apart and there are never to be found on them signs of corns or callosity." Of course not. The old Greek sculptors knew their business. A Greek maiden might have fourteen corns on one foot and eleven bunions on the other, but the old Greek would not reproduce them on a fit was found in at least a dozen different parts of the room. statute of the maid. She would not have paid for the marble if he had. It is the same way the portrait, and she goes away delighted.

were married in the morning, and immediately stepped aboard the cars for a bridal tour to San Francisco. They attracted considerable attention on the way by their honeymoon actions and created a great deal of quiet fun among the goodly number of ladies and gen- girl off to bed. tlemen who were passengers. In due time the cars entered a tunnel, and all for a few moments was enveloped in darkness. All too soon the cars emerged into the brood glare of the noonday sun, and our loving bride and groom were discovered locked in each other's arms, and exchanging kisses at a rate seldom seen in public. The passengers took in the situation in about a second and a shout went up that nearly threw the train from the track, and brought the conductor to the scene on a double quick. "Pass it around!" velled a big man who was on his way west to get his wife. "Go back to the tunnel," said another man to the conductor. As the newly made husband settled back in his seat he was were longer. Darn a railroad company!"

recently returning from the races. In the ad- Household microscope. joining department were eight bookmakers, who, cleaned out by successive failures, were traveling without tickets, hoping by a turn of them, during a stoppage, hit upon a brilliant idea. Pulling his cap down over his eyes and buttoning his coat, he went to the carriage of the noble lord and his friends, and, assum-"Oh, yes (drearily). I am trying to, that pig had a "happy thought," he and, on the train reaching London, the noble home, asks "Who was to blame?" Nine

The reason given for the quietude of but no man can break it off unless he appealed to the sentiment of "Nc- lord had a narrow escape of seeing himself times out of ten the answer comes: "My her daughter as a mother should be able to and friends taken into custody for attempting to defraud the railway company, for, despite their assurances, the officials declined to believe that any one had been audacious enough to collect any of the passengers' tickets. "On the face of it" the thing was too absurd. It was only by paying their fare a second time

THE great curiosity at a country fair is the ant from anything agricultural, even when he talks of crops and stock, that the farmers as he slowly took his implements of appealed to his protection, should like to listen to him. He patronizes the countryman by saving that the sons of the soil are as good as other people. Mr. Beecher used to talk about heifers and pears and posles in a manner that caused the farmers' wives to smile when they discovered how little he mothers alone. The "mother" may be foolish mothers are anxious that their knew. Mr. Hayes shook hands, kissed the babies and wrote commonplaces in albums. The agricultural orator is an ornamental hero at country fairs, and the less he knows about the things he talks about the more he is supposed to know about everything else. ARISTOCRATIC FLATS.-Young Mr. Fathers-

> gotmoney and Miss Toosilly, were talking on the piazza of a fashionable hotel, Newport, on a recent night. "Fond of dancing?" said he. "Oh, yes, awfully." "So am I awfully fond." "I think it ever so nice, don't you?" officers, who laid a wager that they heel-and-toe polka?" "Oh, yes; awfully nice, would eat the learned pigling, and isn't it?" "Yes, awfully." "How's your having nothing to do with their money, mother?" "She's well, how's your's?" "Oh, she's all right." "Beautiful evening this evening, isn't it?" "Yes, just too lovely for anything." "Good evening!" "Good evening." This is what "society" does for young

lars for two days!" Polite Clerk: "Correct, sir; you read figures like a banker's clerk." house." Lodger: "One of the best rooms in the house! Why, it wasn't bigger'n a coal bin. window." Polite Clerk: "That's just it, you see. When a guest sleeps with his legs out of the window we always charge him \$2.50 a day extra." A GENTLEMAN who had been allured by the

announcement of a "quiet country hotel." came down the morning after his arrival and made complaint that his boots had been outside his door all night and until eight o'clock man, to whom he was announced simply as a that morning, and mosody had been." The landlord, who in his shirt-sleeves that morning, and "nobody had touched was tipped back in a chair and picking his teeth with a jack-knife, beamingly remarked: 'Law bless ye, ye might have left yer pus out there all night; nobody would have touched it. Honest critters daown here, I tell ye."-Boston Commercial Bulletin,

Chaff.

A six year old said: "Papa, I wish you would quarantine against Tom Jones comin' here every night to see Jennie. It's got to be too epidemic."

"Here, waiter, this salmon isn't nearly as fresh as that we had on Sunday." "Not as fresh as that you had on Sunday, sir? Must be, sir! Same salmon, sir!

"What is the moon good for?" asked Prof. Miller; "what are its principal uses?" And the smart bad boy looked up from the foot of the class and said: "To rest the gas compa-

obleman, speaking of a well-known actress

nobleman, speaking of a well-known actress to a witty dramatist, "was at a morning performance; and she had grown so stout that she almost filled the box." "Oh, that's nothing;" said the ready playwright. "There was a time when she filled the theatre." meeting a newsooy whose face was scarred with scratches, a reporter asked him what the matter was: "Feller spoke against my sister. Said he'd bet she was cross-eyed, and I sailed

in." "Is your sister cross-eyed?" inquired the reporter. "Hain't got no sister! was the reply: "It was the princerple of the thing what I got licked for." "You don't mean to tell me that you drop

A member of one of our learned clubs re-

for the marble if he had. It is the same way in our day. When a woman with freckles and a mole on her chin sits for a portrait, the artist knows too much to transfer them to the canvas. He makes the sitter as pretty as a professional beauty, charges a big price for the portrait, and she goes away delighted.

A member of one of our learned culos returned to the bosom of his family one night sadly "under the influence." As he cautivally steered himself up the stairs he met his wife, who at once upbraided him with his condition, and declared that he exhaled a strong odor of spirits. "Tain't that," pleaded he sufferer. "Had my hair cut; it's bay runy you smell." ed the sufferer. "rum you smell."

The portrait, of course, doesn't look any more like her than the Queen of Sheba, but she doesn't let that trifle mar her happiness a particle. The absence of corns and callosities on the feet of old Greek statues must not be accepted as proof that the Grecian maidens were not provided with storm indicators on their pedals.

Two darkies were riding from the field after a hard day's plowing. They began to talk about the good things to eat. "T-a-k-e a good f-a-t possum—pahbile him—put him in ole-fashion Dutch oving—roas' him brow—" the other darkey's eyes rolling and mouth watering as the description went on—" sarve him up wid c-o-on graby—" "Shet yo' mout', yo' niggah! I'll fall right off'n dishoss."

"I'm not an astronomer," remarked old THOUGHT TUNNELS WERE LONGER.—They were married in the morning, and immediate y stepped aboard the cars for a bridal tour to san Francisco. They attracted considerable I said, and I cannot explain it, but I am sure saw the son rise a few moments ago, and it is now midnight." Then he looked reflectivedown at the toe of his boot and sent the

Che Fonsehold.

MRS. CLOVER COMES TO THE FRONT.

Continual dropping wears away stone, and when to continual importunities, the friend who has now and then ventilated my tricks and my manners in these columns, adds the offer to stand on duty in heard to remark: "Sara, I thought tunnels my kitchen and nursery-places where eternal vigilance is the price of success and safety, I can but yield. Though I doubt-A NOBLE LORD AND A BOOKMAKER .-- A good less should have still declined had not story was told apropos of a noble lord who was Jennie Cramer been placed under the

The name of the woman is legion, who, either married and with present family cares engrossing her mind and time, or good luck to escape payment. At last one of single, but past the dangerous reefs and shoals of girlhood and early womanhood. contemplates this girl's tragic fate, with a horror through which the pains of past ing an official air, collected all their tickets. personal peril dart and rend like forked under the happiest conditious. But These he distributed among his own friends; lightning, and each, taking the question

and God only knows if it "ever shall be." when called to account for the evil wrought, shore, shouts: "I am guiltless! Spare me, oh Lord; but the woman that thou gavest me, give her particular purgatory to the end of the chapter!"

This great and growing evil of "fast young America" cannot be remedied by one-sided diplomacy secured to her as dower some six thousand years ago.

The remedy lies alone in the co-operation of fathers and mothers in the work of educating and training their sons and daughters to some useful and ennobling purpose by precept alone but by example also, and "Yes, dreadfully nice." "Do you dance the by the exacted, practical, responsible performance of some considerable part of the useful and necessary work that on every hand lies waiting to be done. This law of safety, of prosperity, peace and happiness, is equally wholesome for rich and poor. It is no respecter of persons or conditions in life. The girl of the period has no greater need to be made IRATE lodger at Long Branch hotel, upon subject to its letter and spirit than being presented with his bill: "Fifteen dol- has the boy of the period. And yet, no where have I seen the young men who compassed Jennie's ruin and death, held up, for fathers to contemplate as examples of remiss or faulty paternal care or discipline; and vet theirs is the greater crime. Theirs the more subtile and far-reaching and I had to sleep with my legs out of the influence in favor of the growth and spread of the most subtile of social evils.

I have not written one word of what I intended to write when I sat down, but I have written what was uppermost in my mind, and some day, if the Household is not averse to the idea, when that "other is uppermost again. I will write that, provided my friend will give me another respite from a vastly different sort of service MRS. CLOVER.

REVERIES.

The dark, dreary, rainy weather to-day,

has sent my thoughts wandering away down the misty avenues of the past, and thoughts of garrets piled with the discard. ed accumulations of time, of boxes of old letters, and the sad and glad echoes of the through my mind until the present seemed like a waking dream. Now, I do not believe in lumbered up garrets. To my mind poor, needy person, who will take it thankfully, and perhaps use it with feelings of pride, as well. Circumstances make people view things with such different eyes, you know, that a thing that may look shabby to one, may look quite grand to one "The last time I saw Miss X," said a when each might be used for individual or supper. KITTY SUMMERS. general benefit, is not to my taste.

Then the hoarding of old letters of no importance but to read over, and with their aid bring back memories which kindly time Meeting a newsboy whose face was scarred had dimmed; well, I think the practice a poor one. Do not misunderstand me, the loving counsel, and cheering, encouraging word from the heart friend or dear relative may well be sacredly cherished, but the miscellaneous correspondence, consisting of details of business, the "how are you," and

'we are pretty well" letters of which the great mass of one's receipts by mail consist. etter burn them up at once when answer ed, and use the time necessary for their future look over and reading in the performance of some better or more improving duty. I would not seek to wrest from the hand

of affection a sweet or sad memento of some departed one, but to cling to everything that was hallowed by association with one passed away, seems to me a sort of unhealthy excrescence of mind, a mild monomania., better denied than indulged

Loving memories will never leave us; if bitter ones lose their intensity 'tis well to have it so. Life is real, and it seems better to let the dead past bury its dead than for living beings to voluntarily sit down and shiver in the gloomy chambers of a past that nothing can change, when life so ear nest, so full of opportunities, so full of necessities, is forcing its claims on every fleeting moment.

So burn up the worthless rubbish, tangible and intangible; give to those who need the to you useless accumulations of old time belongings, empty your garrets and boxes, except of dear heart treasures, prepare for the future by giving the present due attention, and you and the world will be happier and better for the change. There, I have said my say in as disjointed a manner as the gusty, intermitting storm has tuned its varying patter, and now drop my pen to take up other duties. Such is life.

MUSIC IN THE FAMILY.

An appreciation of music is always in dicative of a refined mind. Even though a person has not natural ability to acquire musical education, he cannot but admire that which is ennobling, and elevating in its tendencies. I am not of "Mossback's" opinion, that "organs don't amount to much." It is not the instrument, but the manner of using it, I think she intended to say did not amount to much. Music is a blessing to mankind, but like every other blessing heaven bestows, it can be abused. Because there are poor players, it does not follow that none should study music. 'There's always room in the upper story." "There's always room in the upper story," salt; add one pint of the best cider vinegar, is a proposition worth remembering. If when nearly cooked. Boil an hour and a half. "Mossback" can read the disposition of "WIN.

parents." I scorn, I loathe this toadyism do, she will know whether she possesses that with sanctimonious sacrilege lays the natural ability, a sense of harmony, of blame exclusively at the mother's door, for time and tune, and perseverance enough nine times out of ten, the father is the one to accomplish anything. I would have who sets the base example of intrigue and every girl who is anxious to learn "to play," debauchery before his sons and daughters; know that there is hard work before her. but "as it was in the beginning, is now," I speak from experience. There are hours of tedious practice, finger exercises, studies without number, and always "more to folorator. He is usually in his speech so dis- he, with one mighty voice, from shore to low." There is no royal road to success m any field of human endeavor; few who have never studied music understandingly, comprehensively, have any idea of the perseverance necessary. The farther one advances, the more lofty seem the heights which he would reach. Many ambitiously as a young man once said to me of his daughters should take music, simply bemother, "an angel in human form," and cause "they all do," never thinking the "father" can make her existence a whether they have time, tune, or even-I literal fulfillment of the curse that his was going to say-intellect. It would be a blessing if such could content themselves with a "music box," for, though its music bears about the same comparison to a real living performer's as a parrot's imitation to the human voice, yet it is vastly superior to the confused, confounded manipulain life. Educating and training thus, not tion of the "yielding planks of the ivory floor" which some players term music. But if a girl has ability to learn, perseverance to conquer all difficulties, is willing to give to practice some of the hours which she has been accustomed to devote to her own pleasures (not leaving her duties to be performed by an overworked mother)-in short, if she has an earnest desire to accomplish something, I say, if circumstances possibly permit, furnish her a good instrument, employ a thorough teacher, and thus give her an opportunity to develop the best that is within her, a love for the beautiful and harmonious, encouraging her to shun frivolties and trivial pleasures. which fritter away the usefulness of so many girls' lives. These are only the views of a young but

an earnest and STRONG MINDED GIRL.

HOW WE SAVE THINGS.

NO. II.

Steak is fifteen cents a pound. We don't eat steak. Jasper's salary does not admit of high-priced luxuries. Kitty does the marketing. Flank at six cents; shoulder piece at eight cents, and shank at fifteen cents for a basketful, makes a good living for the Summers'.

We let a piece of flank lie over night in brine, and boil it in barely water enough to cook it done, let the water boil off and the meat lie prone in the bottom of the kettle until it is roasted a nice brown, then turn it over and let the other side brown. For the first meal let the meat be hot, after records now closed, have been chasing that slice it cold. Or, make a dressing of bread crumbs seasoned like the dressing for a christmas turkey, take the piece of flank after it is salted, spread the dressing when any piece of furniture has had its on it and roll it up snugly, tie with a cord day, or becomes too old-fashioned for its and boil until done in barely water enough owner, it had better be passed over to some to cook it. Lay it under a weight, and when cold cut it in slices. This is very nice. The shoulder piece, gash, salt, and roast in the oven. This is as good as the

Boil the shank, after cracking the bones well, pour off half the liquor for soup, used to different surroundings. It seems | leave the other half in the kettle, break or to be the nature of household furnishings mince the meat up finely, let it boil awhile, practice of hoarding talents or property pretty and excellent dish for breakfast or

PERRYSVILLE, O.

C. A. V., of South Grand Blanc, writes us 'a letter full of "whys" which she desires answered through the FARMER, and which would call out the wisdom of a whole School of Divinity. We cannot embark in a theological controversy, nor undertake to expound St. Paul; please "ask us something easy."

Useful Recipes.

LADIES of the Household are requested to ontribute tried and favorite recipes to this department. They should be seasonable, and should not be incorporated with other matter for publication, but sent in on separ-

GREEN TOMATO PICKLE.-Slice the fruit thin, and pack a layer an inch deep in a jar; sprinkle over a little ground allspice and cinnamon, and pour on a little molasses. Continue this until the jar is full. The molasses will become sour, and the pickles will be very nice.

Сноw-Сноw. II.—Three quarts of vinegar, boiled to half the quantity; add three jars French musiard; boil for a few minutes: two small cauliflowers, two quarts small white onions, 25 small cucumbers, three small red peppers; parboil the cauliflowers, onions and ucumbers, then add to the vinegar and mustard. Let come to a boil.

Сноw-Сноw. I.—Fill a three gallon jar with small green tomatoes, cucumbers, nasturtiums, onions, bits of cauliflower, horseradish, and a few small green peppers; let them stand in salt water 24 hours; then drain. put mixture in brass or porcelain kettle, with fresh water, and boil ten minutes: then drain thoroughly and place in jar; put three quarts of vinegar in kettle to boil; take three-quarters of a pound of best mustard; beat it up in cold vinegar, and pour it into the hot vinegar; when it thickens pour over the pickles and cover when cold. A very little sugar in the vinegar improves the taste.

E. L. NyE writes: "I have tried the Little Brown House potato yeast, and find it a sucess. I wanted a yeast without hops. Somewhere, 'on the heights' maybe, I've heard of such an one, but not once yet has that celestial nose turned higher on its heavenly way, while the mouth beneath ejaculated 'hops' as it 'took in' a bite of this bread. Who will give us a good recipe for green tomato pickles, 'chopped.'"

GERALDINE wishes a recipe for Chili sauce. Here is one we have used for years, and consider very good: Eighteen large tomatoes, peeled and chopped fine; one large onion also chopped fine; one teaspoonful of Chili peppers, four tablespoonfuls of sugar, two tablespoonful of ground cloves, two of cinnamon, two of allspice, two of mace, two of Dunning sold Roe'& Phillips 95, av 200 lbs, at

Its Importation and Use in the United States.

An importer of teas doing business in New York, has been giving an Eastern exchange some interesting items connected with the trade in this country, and we give some of his statements: He said:

"We import into this country about 75,000,000 pounds of tea each year. It has become one of the chief importations of this country, and as the population grows the consumption of tea becomes greater. Within the past five years the importations have increased about 500,000 pounds each year, and the prospects are that the amount of the leaf consumed will become larger and larger as the years speed by. The greater portion of the cargoes of tea are landed at San Francisco or at the larger California ports, and then are transported across the country to New York, from whence the tea is distributed all over the land. The Eastern people are less of teadrinkers than those who live in the West. This apparently unaccountable fact is due to the presence of lime in almost all the water which is furnished to the large cities for domestic purposes, and the people have ascertained that the use of tea will filled at the fall elections, are getting their neutralize to a great extent the action of the lime upon the stomach.

"We obtain most of our tea from China proper, a large quantity from Japan, the better quality from the Island of Formosa, and a small quantity of fermented tea from India. The Chinese tea is the popular favorite more because of its cheapness than because of its quality. The Formosian tea is very fine. It was only a few years ago when the Island of Formosa was opened, and it was immediately found that the first crop of tea obtained from there was the best ever imported into this country. Tea needs a virgin soil, and that it had in Formosa. It is not like the grape needs long cultivation to reach its highest standard of excellence, but it demands that the ground be fresh and rich. In Japan the tea-plant has a smaller leaf and a very delicate flavor. This is, of course, speaking very generally, because every plantation has its distinctive crop, and the plants of one section are very dis. tinctly marked from those of another. I can tell by the simple flavor of the leaf within ten miles of the place where it has been grown. In all probability, after America, England claims the largest quantity of tea-but the leaf which the English people affect is the fermented one. The tea-leaf is heaped in the plantation, and water poured upon it; then, by the action of the heat of the sun, the leaves become slightly decomposed, and consequently fermentation sets in. The tea is then taken, rolled, and burnt. The fermented tea has a very peculiar flavor. It is not pleasant, I think, to taste; at least the Americans do not care for it, as the taste is pungent, sweet, and sometimes sickening. It is used in this country more for the purpose of mixing with green tea than for any other purpose. Its influence in this mixture is to give the larger quantity a sweetish flavor that is relished by the Western people especially. In England and perhaps throughout the Continent, the fermented tea is very much liked. The reason for this peculiarity of taste is due. in all probability, to custom rather than to "The Indian tea is of all the fermented

kinds, bought the most eagerly in England. Out of the 75,000,000 pounds of tea imported by this country, only about 1,000,000 pounds of Indian tea are used here. This the best and cheapest Car Starter made. tea very rarely comes to this country di- With it one man can move a freight car. rectly. It usually comes here by the way of England. The value of all kinds of tea is regulated, as a matter of course, by its quality; but the Indian growth is less expensive than the others. I am of the opinion that the failure which it has met with when its merchants have endeavored to force it into this market is due greatly to the firm hold the green and black teas have obtained on the Americans. Almost two thirds of all the tea imported into this country is green, while the remainder, with the exception of a few hundred thousand pounds, is black. The prices of tea cannot be determined upon, because they fluctuate and are very seldom stable The value of tea this year is, however, considerably less than it has been for a considerable time. "The first invoice of tea is, of course,

the most valuable, and considerable rivalry is occasioned between the English and American merchants in their endeavors to land the first cargo in this country. This tea is made more valuable than profitable, however, as the expense of rapid transportation and the high prices demanded at the plantations run the profits down to a very narrow margin. I think that the tea trade will increase by degrees until the price for it becomes almost nominal. There is great competition, and this, of course, brings the price down very low. Should a company be formed, however, the price would rise and the trade become a monopoly. The main reason for the continued standard price is because transportation to this country is very high, and tea, although light in weight, takes up a great deal of room. Tea is taking the place of coffee to some extent, and may eventually do so entirely."

Professor Dawson, of the Dominion Geological Survey, reports that the forests of British Columbia are of vast importance. Many first class milis have been established in various parts of the country and the total annual product is stated to be about 200,000,000 feet, of which 25,000,000 is exported to other countries, 25,000,000 feet used at home, and 150,000,000 feet sent to California, Professor Dawson estimates that 110,000,000 acres (os two-thirds of the whole province) are covered with timber. The Douglas fir or Oregon pine is the most valuable commercial tree. It frequently extends eight feet in diameter, and rises to a height of from 200 to 300 feet, forming great and dark forests. The western hem-lock and the red cedar are the other important trees of the province, both of which, the latter especially, grow to a great size. When the great plains of Canada become populous, the mines and forests of British Columbia are likely to be of great importance.

CITY ITEMS.

Ir is reported that a company has been organized in this city for the manufacture f paper barrels under the Murphy patent.

Ar a meeting held under the auspices of the Land League on Saturday evening in Detroit, resolutions were adopted denouncing the arrest of Parnell and others by the British government.

EMANUEL MARKS, known in this city as Minnie" Marks, has been arrested in New York City on charge of having committed the robbery whereby the First National Bank of this city lost \$30,000.

THE coroner's jury in the case of Jake Vlier, killed by his stepson, on the 17th inst. returned a verdict that the deceased came to his leath from a pistol wound inflicted by Marquis L. De Foe, the shot being fired in self-

A BRAKEMAN on the Detroit, Lansing & Northern Railway, named Frank Worden, was killed in the Michigan Central yards in this city on Friday night last, by being run over by an engine. He was 25 years of age and belonged at Ionia.

THE political pot is just beginning to boil, and candidates for the several offices to be greenbacks changed into silver pieces of small denominations, so as to make the canvass as cheap as possible, when the men with "anfloonce" strike them.

FROM present appearances there will be no opposition in the Republican party to the e-nomination of W. G. Thompson for Mayor. The Democrats, have not so far agreed on any candidate, although quite a number of prominent members of the party have been menioned in connection with the office.

WM. LOVERING, who was at one time a prominent live stock dealer in this State. died in St. Louis, Mo., last Friday, where he has been for some time engaged in the live stock trade. The body was brought to this place on Sunday, was largely attended by the friends of the deceased, of which he had a host in the city.

KALAMAZOO, Mich., Feb. 2, 1860. I know Hop Bitters will bear recommendation honestly. All who use them confer upon them the highest encomiums, and give them credit for making eures-all the proprietors claim for them. I have kept them since they were first offered to the public. They took high rank from the first, and maintained it and are more called for than all others combined. So long as they keep up their high reputation for purity and usefulness, I shall continue to recommend them-something have never before done with any other patent J. J. BABCOCK, M. D.

MANY miserable people drag themselves about with failing strength, feeling that they are steadily sinking into their graves when by using Parker's Ginger Tonic, they would find a cure commencing with the first dose, and vitality and strength surely coming back to them. See other column.

WRITE to Mrs. Lydia E. Pinkham, No. 223 Western Avenue, Lynn, Mass., for pamphlets relative to the curative properties of her Vegetable Compound in all female complaints

WARRANTED the greatest pain reliever in the world, Dr. Tobias' Venetian Liniment. Thirty-four years established, and never failed to cure croup, spasms, colic, chronic rheumatism, old sores, and pain in the limbs. back and chest. Ladies will find this Liniment will immediately eradicate Pimples Freckles and Blotches. Also restores Gray Hair to its natural color, and perfectly harmless. Sold by the druggists.

BORDEN, SELLECK & Co., Chicago, sell th

Young men who consult their own interests wilt attend the Canada Business College. Chatham, Ont. Three months tuition, board and books, \$55. Send for circular.

THE Royal beauties of Europe owe much of their personal attractiveness to the influence of Ayer's Hair Vigor, which keeps the hair fresh and bright.

Young men, you will save money by atending the Business College at Kalamazoo

COMMERCIAL.

DETROIT WHOLESALE MARKET.

TUESDAY, Oct. 25, 1881. Flour.-The receipts of flour in this market the past week were 15,638 bbls., and the shipments vere 7,405 bbls. The weaker feeling in wheat ha ot affected the flour market, which continues firm

at unchanged prices. The inquiry is active, and millers find a satisfactory market for their product Quotations yesterday were as follows:

Wheat.—The receipts of wheat for the week have been 91,499 bu. against 149,758 bu. the previous week, Shipments, 161,928 bu. The market esterday opened dull but at first figures were nigher than at the close on Saturday. Later, under avorable reports from Chicago prices receded, and at the close cash wheat was 16c lower than turday. No. 1 white closed at \$1 8834 No. 2 white was entirely neglected, and No. 2 red barely made a record of \$141%. In futures the decline was a little more than on cash wheat, November closing at \$1 3834, December at \$1 4136, January at \$1 441/4, and February at \$1 471/4.

Corn .- Quiet and without any marked change. Yesterday rejected sold at 651/4c; No. 2 corn is firm at 66c; high mixed 67c,

Oats.—A fair inquiry is being made for this ce-

real and the market shows strength at current rates. Yesterday No. 1 white sold at 48c, No. 2 do at 47c, and No. 2 mixed at 46c.

Barley.—The market is not so strong as a week

ago, and \$2 10@2 25 per cental are the best bids for fair to good samples of State. Sales of Canada have been made at \$1 30. Feed .- Bran is dull at \$16 50, and coarse mid.

dlings at \$17; fine feed is nominal at \$19@19 50; coarse corn meal is in fair demand at \$28@30; corn

and oats, \$28@30. Corn Meal.-There is a fair demand and a firm market at \$28@30 per ton.

Butter.—Receipts for the week 28,241 lbs; ship

ments, 7,532 lbs. There is no change to note in the na ket. Choice butter commands 27@28c per lb, with an active demand, but very little choice is be ing received. The lower grades are in large supply and very dull. Cheese-For fine full cream State the quotation

are 14 to 1416c per lb., with a stronger marker. Clover Seed.—Market quiet at \$5 45 per bu.

Apples.—The market is quiet but firm at \$2 75 per bbl for fair to good shipping stock. Fancy

stock would command a little more.

Potatoes.—A liberal inquiry is being made for supplies and market rates are strong at about 80@85c per bushel.

Beeswax.-Invoices of pure quoted at 21@23c; n stock it is held at 25@27c. Eggs.-Market firm, and prices steady at 22c

Dried Apples.-The market is quiet, with holders quoting at 61/2@7 cts for quarters; evaporated apples, 121/2.

Salt.-Firm at \$1 30 for Onondaga; Saginaw at

Beans.-Only limited supplies are offered in market and demands are not met. City hand-picked are held at \$3 25@3 30; for other stock \$2 50@ 2 75 is being or would be paid. The market, under an active demand, is very firm.

Poultry.-Live chickens are quoted at 7@8c per b live weight, and ducks at 40c per pair. Dresse chickens, 10c per lb.

Hops.—The market is very firm, and quotation

range from 22@27c per lb, with a cent more some-times paid for an extra lot. Honey.—Offerings are very light and the mar-ket unsettled; old is quoted at 15c; new would be

worth 18c. Cranberries.-Firm at \$8@9 for State and 9@

9 50 for eastern; boxes \$2 50@3.

Timothy Seed.—Quiet; small orders are being filled at \$2 95@8. Wood .- Firm; rates for wood delivered are

\$6 25@6 50 for hickory, and \$5 75 for beach and Hides .-- The quotations for hides in this marke

n calf-skins...... Hay.-The following is a record of the sales a

the Michigan avenue scales during the past week:

Monday—11 loads: four at \$21; three at \$30; two at \$17; one at \$19 and \$18.

Tuesday—11 loads: four at \$20; three at \$19; two at \$18; one at \$21 and \$18 50.

Wednesday—22 loads: six at \$20: four at \$19; three at \$16; two at \$18 50; \$17 50 and \$15; one at \$19 50; \$18, \$15 52 and \$14.

Thursday—12 loads: four at \$20; three at \$19; two at \$18; one at \$19 50, \$17 and 14.

Friday—36 loads: eleven at \$19; six at \$20; five at \$16; three at \$21 and \$17 50; two at \$19 50, \$18 50, \$18 and \$17.

Saturday—14 loads: five at \$20; three at \$19; two at \$19 50; one at \$19 50, \$18 and \$17.

Provisions.—Mess pork is unchanged; lard steady and unchanged. In smoked meats the demand is active and prices are very firm. Mess beef or other stimulant-growing plant which city for interment. The funeral, which took and tallow are steady at former prices. Dried beef a

ollows:				
less	1	19 :	50@20	
lear do			@22	50
ard in tierces, per lb		12	400	12
ard in kegs, per lb		,	00	13
lams, per lb		14	0	14
houlders, per ib		10	a	10
hoice bacon, per lb		13	0	131
xtra Mess beef, per bbl	11	50	@12	50
allow, per lb			0	7
ried beef, per lb			0	14

LIVE STOCK MARKETS.

At the Michigan Central Yards. Saturday, Oct. 22, 1881.

Cattle,		Hogs
	No.	No.
	*** .	198
	***	185
18		264
27		*** *
27	****	
		67
16	198	169
	47	167
265	732	253
	44	37
.0		70
		127
	32	47
22	130	44
58	100	57
11	127	205
		66
		108
9		106
		59
		151
		209
10		56
10		32
43		20
		49
~0		166
151	199	
101		
697	1 665	2,912
000	1,00)	~,010
	No	No.

The offerings of cattle at these vards number 697 head, against 668 last week. The market opened dull, with sellers asking last week's rates and buvers holding off. Later in the day seller found that if any trading was to be done they would have to make concessions. This they finally done, and the market ruled fairly active at a decline of 25 cents per hundred below last week's quotations There was no good cattle offered. The following were the closing

price.

McGeorge sold Rice 12 stockers, av 803 lbs, at \$3.

W. Wreford & Co. sold John Wreford a mixed lot of 13 head of western butchers' stock, av 690 lbs, at \$3 40, and 39 to Reid, av 890 lbs, at the same

ar \$3 40, and 30 to frent, av \$30 10s, at the same price. Campbell sold Duff & Caplis a mixed lot of 18 head of thin butchers' stock, av 836 lbs, at \$3 25.

McGeorge sold McGee a mixed lot of 13 head of thin butchers' stock, av 695 lbs, at \$3 25.

Stevenson sold John Robinson a mixed lot of 13 head of fair butchers' stock, av 770 lbs, at \$3 55.

Adams sold Duff & Caplis a mixed lot of 13 head of thin butchers' stock, av 464 lbs, at \$3 15.

Wm Werford & Co. sold Geo. Wreford a mixed lot of 25 head of western butchers' stock, av 800 lbs, at \$3 35. Clark sold Duff & Caplis a mixed lot of 14 head of

thin butchers' stock, av 787 lbs, at \$3 15.
Stevenson sold Duff & Caplis a mixed lot of 20 head of thin butchers' stock, av 812 lbs, at \$3 25, and 3 bulls, av 870 lbs, at \$2 80.

H. Fielschman sold Kammon a mixed lot of 26 head of western butchers' stock, av 875 lbs, at \$3 45, and 26 to John Robinson, av 834 lbs, at the

Brown sold Duff & Caplis a mixed lot of 29 head of thin butchers' stock, av 692 lbs, at \$3 15.

Switzer & Ackley sold Rice 10 stockers, av 659 lbs, at \$2 95, and \$3 fair butchers' steers to M. Fleischman, av 875 lbs, at \$3 75.

The offerings of sheep numbered 1,665 head against 997 head last week. The demand was almost entirely on shipping account, local dealers being out of the market. Prices averaged 10 to 15 cents per hundred lower than last week, and the market losed weak.

closed weak,

Vankleek sold Downs 92, av 83 lbs, at \$4 15.

Lathrop sold Harland 32, av 99 lbs, at \$4 25,

Murray sold Downs 88, av 73 lbs, at \$3 90.

Campbell sold Morey 93, part lambs, av 98 lbs,

\$4 50.

Pickering sold Morey 23, av 83 lbs, at \$3 89.

Stevenson sold Downs 40, av 83 lbs, at \$4 85.

Comer sold Downs 142, av 86 lbs, at \$4 15.

Brown & Spencer sold Downs 198, av 90 lbs, at \$4 25.

\$ 20. Gross sold Downs 105, av 83 lbs, at \$4. Donaldson sold Downs 94, av 83 lbs, at \$4. Bradley sold Downs 182, av 83 lbs, at \$4. Black sold Downs 44, av 81 lbs, at \$4.

The offerings of hogs numbered 2,912, again 1,218 last week. There was considerable of a break in the hog market on Saturday, and most of the drovers were out of pocket, prices being 30 to 40 cents per hundred lower than those of one week ago, and buyers not appearing extremely anxious to take hold at the decline.

o take nold at the decline.
Glddings sold Drake 68, av 214 lbe, at \$6 30.
Merritt sold Drake 88, av \$3 lbs, at \$6 15.
Thayer sold Drake 70, av 245 lbs, at \$6 35.
Spencer sold Bigley 49, av 215 lbs, at \$6 35.
Spencer sold Bigley 49, av 215 lbs, at \$6 35.
Lathrop sold Webb Bros. 44, av 199 lbs, at \$5 90.
Townsend sold Hammond 54, av 217 lbs, at \$5 90.
Topping sold Roe & Phillips 120, av 203 lbs, at 5 75.

5 75.
Freeman sold Webb Bros 110, av 258 lbs, at \$6.
Freeman sold Hammond 68, av 218 lbs, at \$6. 15.
Pickering sold Bigley 32, av 208 lbs, at \$6.
Starkweather sold Drake 59, av 179 lbs, at \$6. 12\cdot 6.
McDonald sold Webb Bros. 20, av 187 lbs, at \$6. 15.
According 15 av 251 lbs, at \$6. 12\cdot 6. Beach sold Bigley 111 av 205 lbs, at \$5 90.

Bliss sold Webb Bros. 66, av 214 lbs, at \$9 90. McFacden sold Roe & Phillips 102, av 204 lbs, a Brown & Spencer sold Drake 112, av 253 lbs, a \$6 20, Bliss sold Drake 85, av 257 lbs, at \$6. Donaldson sold Roe & Phillips 57, av 210 lbs, at

55 75.
Parsons sold Drake 60, av 252 lbs, at \$6 25.
Stabler sold Webb Bros. 44, av 253 lbs, at \$6 25.
Rupert sold Drake 68, av 252 lbs, at \$6 15.
Rundel sold Webb Bros 53, av 256 lbs, at \$6,
Moore & Horner sold Drake 52, av 268 lbs.
16 20. Beardslee sold Drake 21, av 244 lbs, at \$6.

> King's Yards. Monday, Oct. 24, 1881.

CATTLE.

The market opened up at these yards with a fair upply of cattle, and about an average attendance

of buyers. The demand was fully equal to the sup ply, and everything that would grade fair to goo outchers' stock brought about last week's rates

lower.

M. Fleischman sold Goldsmith a mixed lot of 4 head of fair butchers' stock, av 880 lbs, at \$3 60.

Richmond sold Oberhoff 3 fair butchers' steers, av 863 lbs, at \$3 80.

Oberhoff sold Knoch 2 fair butchers' steers, av 1900 lbs, at \$4 1,200 lbs, at \$4.

Robb sold Hersch 4 thin butchers' heifers, av 732 lbs, at \$3 50, and 2 fair heifers to Kraft, av 925 lbs,

Robb sold Hersch 4 thin butchers' heifers, av 732 lbs, at \$3 50, and 2 fair neifers to Kraft, av 925 lbs, at \$4.

Clark sold Kraft 2 fair butchers' steers and a heifer, av 1,025 lbs, at \$4, and a cow, weighing 800 lbs, at \$3 75.

West sold Genther 7 fair butchers' steers and Leifers, av 920 lbs, at \$4.

Richmond sold Oberhoff a bull weighing 1,350 lbs at \$2 90, and one weighing 720 lbs at \$2 50.

Platt sold Smith 2 bulls, av 770 lbs, at \$2 70.

West sold Meyer a mixed lot of 5 head of thin butchers' stock, av 700 lbs, at \$3 50, and 4 to Miller, av 612 lbs, at \$3 10.

Hall sold Stucker a mixed lot of 12 head of coarse butchers' stock, av 580 lbs, at \$3 55.

Goodison sold Bickendorf a mixed lot of 5 head of thin butchers' stock, av 672 lbs, at \$3 40.

Purdy sold Voigt a mixed lot of 12 head of coarse butchers' stock, av 684 lbs, at \$3.

Clark sold Hersch a mixed lot of 4 head of fair butchers' stock, av 760 lbs, at \$3 75.

Aldrich sold Stucker a mixed lot of 13 head of coarse butchers' stock, av 760 lbs, at \$3 55.

Aldrich sold Stucker a mixed lot of 5 head of thin butchers' stock, av 865 lbs, at \$3.

Purdy sold Herth a mixed lot of 5 head of thin butchers' stock, av 860 lbs, at \$3 55.

White sold Andrews a mixed lot of 8 head of thin butchers' stock, av 800 lbs, at \$3 55.

Thomas sold Campbell a mixed lot of 27 head of thin butchers' stock, av 800 lbs, at \$3 25.

Barwise sold McGee a mixed lot of 23 head of coarse butchers' stock, av 620 lbs, at \$3 25.

Barwise sold McGee a mixed lot of 23 head of coarse butchers' stock, av 655 lbs, at \$3 290.

Anstey sold Houghton a mixed lot of 26 head of coarse butchers' stock, av 600 lbs, at \$2 70. the Michigan avenue scales during the past week:

CATTLE.-Receipts 16,019, against 12 644 the pre vious week. The market opened on Monday with a good supply of cattle, and an active dema There was but few choice cattle among the offer ings, the best selling at \$6 1216@6 30. Good to choice medium weights brought \$5 40@5 for fair to good light medium weights, \$4 75@5 30; mixed butchers' stock, \$3 50@4, with common at \$3 25@ gan cattle were 16 steers, av 1,333 lbs, at \$5 80: 17 do, av 1,347 lbs, at \$5 89; 6 do, av 1,012 lbs, at \$4 15; 22 mixed butchers, av 943 lbs, at \$3 80; 9 lo, av 843 lbs, at \$3 60; 20 feeders, av 849 lbs, at \$3 85; 16 do, av 840 lbs, at \$3 75; 18 do, av 850 lbs, at \$3 60; 22 do, av 926 lbs, at \$3 50; 23 do, av 867 lbs, at \$4; 12 stockers, av 639 lbs, at \$3 50; 48 do, av 716 lbs, at \$3 45; 21 do, av 740 lbs, at \$3 50; 28 do, av 623 lbs, at \$3 10. The offerings were liberal on Tuesday, and the market ruled quiet at a decline of 10 cents per hundred on all grades, except the best. Of Michigan cattle: 14 steers, av 905 lbs sold at \$4 15; 12 do, av 1,240 lbs, at \$5 50; 22 do av 970 lbs, at \$4 50; 24 feeders, av 888 lbs, at \$3 90. On Wednesday the market was fairly active, and prices averaged about the same as on Monday. The following were the closing

QUOTATIONS, Extra Beeves—Graded steers weighing 1,300 to 1,450 lbs and upwards ...\$6 00 @6 50 Choice Beeves—Fine, fat, well-form-flesh, weighing 1.100 to 1,000 Light Butchers—Steers averaging 850 to 1,150 lbs, of fair to good 850 to 1,150 lbs, of fair to good quality 385 (24 75)
Butchers' Stock—Inferior to common steers and heifers, for city slaughter, weighing 900 to 1,00 lbs, 3 50 (24 50)
Michigan stock cattle, common to 2 choice. 3 50 (24 50)
Michigan feeders, fair to choice 3 50 (24 50)
Michigan feeders, fair to choice 3 50 (24 50)
Canadian stock cattle, good to extra 4 00 (24 37)/2
Stock bulls, fair to choice 2 75 (23 00)

SHEEP.-Receipts 19,800, against 15,100 the previous week. The supply was liberal on Monday vith a rather light demand. Sales were made fair to good 80 to 90 lb sheep at \$3 25@4; fair to good 90 to 100 lb do, \$3 50@4 20; fair to good 100 to 110 lb do, \$3 75@4 50, and fair to good 120 to @5 75. Canadian lambs opened somewhat firmer @6 25. We note sales of 165 Michigan sheep and ambs, av 88 lbs, at \$5 25; 190 sheep, av 77 lbs, at \$4 25; 88 do, av 89 lbs, at \$5; 152 lambs, av 53 lbs.

at \$5 121/2. The market on Tuesday and Wednes

day was dull and weak, though not quotably lower

No Michigan sheep were reported on sale, Hogs.-Receipts 46,000, against 36,685 the previous week. The market opened on Monday with a large supply and a light demand. Prices ranged for good to choide selected Yorkers, averaging from 190 to 210 lbs, at \$6 50@6 70, a few loads of fancy seiling early at \$6.75; same grade later brought \$6.60@6.65. Light Yorker, averaging from 150 to 180 lbs, in very light demand at \$5 90@ 6 30; if extra, \$6 40@6 45. Good to choice selected medium and heavy hogs, averaging 220 to 300 lbs, \$6 60@6 85; if choice quality and weight, \$6 90 @7; bulk of sales at \$6 65@6 75. Coarse to good mixed heavy ends, \$5 50@6 25; if extra, \$6 40 Pigs, \$5 50%6. The supply on Tuesday and Wednesday was liberal, and prices declined 15 to 20 cents per hundred on all grades. The market c'osed dull and weak.

CATTLE.—Receipts, 37,487, against 42,190 last week. Shipments 15,160. The market opened on Monday with a fair supply, and an active demand for good to choice natives at \$5 50@6 75, and extra lots at \$6 90@7 25; common natives were slow and weak at \$4@5; Texans, \$2 75@3 40; half breeds and natives, \$3 90@4 65; mixed butchers' stock, \$2 @4; stockers and feeders, \$2 75@4. The supply on Tuesday was light and prices very firm. On Wednesday there was a very large attendance of buyers, and prices were quoted 5 to 10 cents per hundred higher than on the two previous days The market on Thursday was easier, and the advance of the previous day was lost. Friday was a very dull day, and another decline of 15 to 25 cents was recorded, the market closing badly demoral ized. The market on Saturday was dull and weak closing at the following

QUOTATIONS.

Hogs-Receipts 104,550, against 97,924 last week. Shipments, 20,566. The market opened strong and active on Monday, light hogs selling at \$6 25@ 6 50; choice heavy, \$6 80@7 30; mixed packing, the forenoon it slackened up, and the market closed dull and flat at a decline of 5 to 10 cents from the

\$6 20@6 70; skips and culls, \$4 25@5 50. Trade opened active on Tuesday, but about the middle of opening rates. There was another shrinkage of 10 cents per hundred on Wednesday, the demand being altogether on local account. Thursday was another bad day for the hog trade, and the market declined to 15 cents per hundred, making 35 to 40 cents for the week. The market on Friday showed a little more activity, but no improvement in prices. On Saturday there was a fairly active demand, and prices ruled firmer, but not quotably higher. Comnon mixed to fair heavy sold at \$5 90@6 25; good beautiful colors, name 10c. C. Kay, N ewHaven, 6 prices ruled firmer, but not quotably higher. Com-

cording to quality.

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men of America nave recently tested it with unfaing success.

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well as his friends, and both he and his friends will give much to be able to see reform and sobriety induced. But since intoxication becomes a disease it requires a remedy of no unusual activity to reach the difficulty. Those who have taken Liver in action and invigorates the system in such a way as to destroy the craving for strong drinks, and soon the desire for liquor is entirely dissipated. While shaky, nervous and distressed, resort to Simmons Liver Regulator as a Tonic, to aronse the torpid liver to action, to regulate the bowels and remove the feeling of general depression and with it the craving for liquor.

Buy only the Genuine in White Wrapper, with Red Z, prepared only by J. H. Zeilin & Co.

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NEW ADVERTISEMENTS.

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Agricultur Pumpkins for Milkin

IONIA, Mich., O To the Editor of the Michigan F Will you give a prospect room in your valuable paperion? Do pumpkins increa the flow of milk, other con equal? An old farmer here convinced by an experiment After feeding them for a tir them three mornings. Thing they were fed the ed was 22 quarts; then the the

ornings the milk obtained

tively 25, 27 and 29 quarts.

I desire information on the those having had practical ex WILLAR The pumpkin is much relis and is a very rich and palata taining a large amount of sa ter. But the diuretic prop seeds make it an undesir milch cows. They are there avoided by dairymen. Fed they would, judging from those who have made a reco sults of feeding them, affecting the flow of milk. Some ye

fore feeding the injurious be avoided.

were fed largely, but they h

disrepute. Were the seeds

Fall Plowing of Or SPENCER MILLS. To the Editor of the Michigan Farm DEAR SIR.—Please answer valuable paper. "Is plowing to a young orchard o plant early potatoes, I v plow this fail.

It is a rule very generally orchardists never to plow August, some say July, and v recommend fall plowing. T to late plowing are that the s soil keeps the trees growing new wood, and this wood do time to ripen. The consequ the tree is not in good conditi the severe weather of a Mich It would therefore be unwise. you to take the chances of orchard this fall, as it might

tive damage to it. NOTES FROM ONT

To the Editor Michigan Farmer. DEAR SIR .- We have fine. o with just enough rain to mak land that was so "wasted" th mer plow well. Farmers with this important work, as dry, "and deep," in the fall, more next season than land at this season, or left un

spring. Wheat looks well all over but some fields are too thickly s half. If farmers would only bushel per acre of well ripens oughly cleaned seed, they wo other three or four pecks of se and have fully as good a crop The "Old Miller," in your assue, is right about the whea oughly ripened for seed befor and if farmers would only dre wheat thoroughly before sov change their seed of all year, it would pay them w trouble.

Pastures afford a good bite overstocked, which no pastur at any period of the grazing se is about all husked out, and a is the result, even where it before cutting; and that "cu is making sad havoc among it. will have to be carefully ex year, more so than in previous we have got that pest to conte Essex Co., Ontario, Oct. 27, 1881.